

FIG. XL. VALUE OF NEW CONSTRUCTION: 1959 TO 1961

(See table 1045)

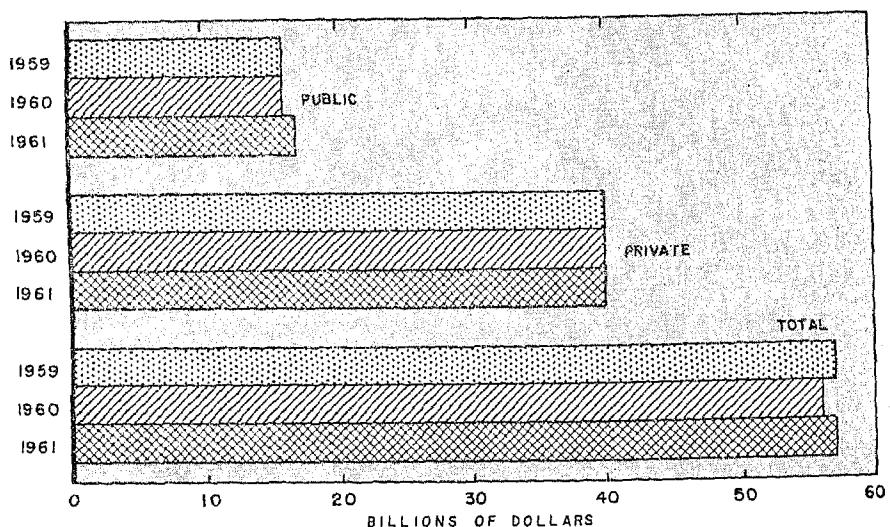
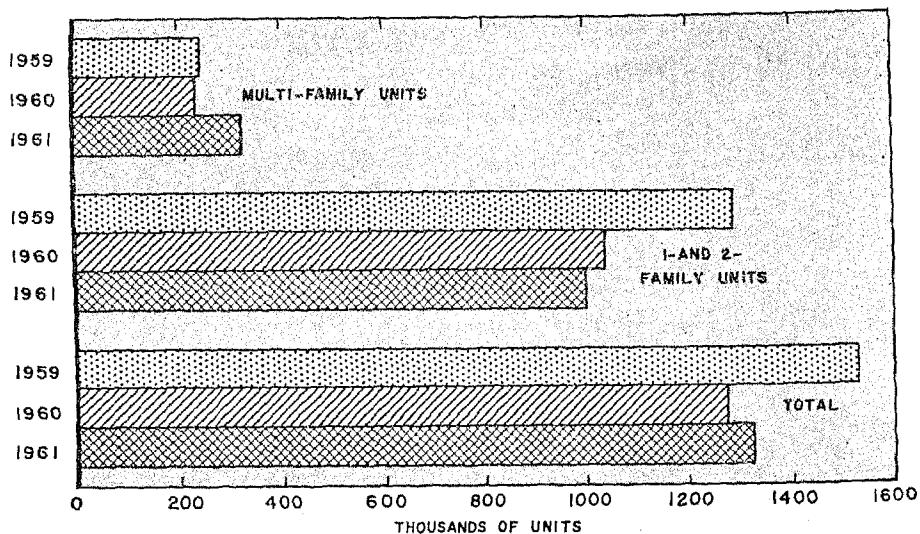


FIG. XLI. NEW NONFARM HOUSING UNITS STARTED: 1959 TO 1961

(See table 1003)



Source of figs. XL and XLI: Department of Commerce, Bureau of the Census.

Section 28

Construction and Housing

This section presents various measures of construction activity and costs; housing units; housing values, facilities, and structural characteristics; and residential financing.

The principal sources of these data are the monthly *Construction Reports* series, *Housing Starts and Construction Activity—Value of New Construction Put in Place*, reports of the decennial Census of Housing (most recent, 1960), and the 1958 *National Housing Inventory*, published by the Bureau of the Census; and the monthly *Construction Review*, published by the Business and Defense Services Administration, and containing data compiled by the Bureau of the Census on value of construction contract awards, value of construction put in place, cost and seasonal indexes, housing starts, vacancy rates, building permits, and production, shipment, and inventories of construction materials, as well as data assembled from other sources on construction materials and prices, wage rates, and employment. Other sources, which specialize in particular types of construction or housing statistics, include the monthly *Dodge Construction Statistics Services* of F. W. Dodge Corp., which presents State data on construction contracts; the *Engineering News-Record*, issued weekly by the McGraw-Hill Publishing Co., Inc., which contains figures on contract awards and construction costs; the *Annual Report* of the Housing and Home Finance Agency, which offers public housing statistics from its Public Housing Administration and other agencies; and the *Annual Report* of the Federal Home Loan Bank Board, which presents home mortgage data. Monthly data on characteristics of vacant housing units are collected by the Bureau of the Census and presented quarterly in its *Current Housing Reports*.

Construction.—Monthly estimates of the value of construction put in place are prepared by the Bureau of the Census and published in *Construction Activity—Value of New Construction Put in Place*. Construction estimates for buildings such as stores, warehouses, and factories are based on F. W. Dodge Corporation reports of construction contracts, supplemented by building permit data. Public utility construction estimates are derived from data compiled by the Interstate Commerce Commission and other Federal regulatory agencies, and by private associations and organizations such as the American Gas Association, the American Transit Association, the Edison Electric Institute, and the American Telephone and Telegraph Company.

Statistics for most types of State and local governmental construction are derived from data compiled by the F. W. Dodge Corporation, supplemented by reports issued by numerous construction news services such as the *Engineering News-Record* and from official reports issued by State and local government agencies. Estimates of Federally financed construction, Federally aided construction programs, and State and local highway construction are derived by the Bureau of the Census from reports of the responsible Federal agencies. Estimates of private residential construction activity, including number of housing units started, type of structure, and average construction costs, are based primarily upon reports compiled by the Bureau of the Census of building permits issued, supplemented by field surveys on a sample basis to measure the relationship between permit-issuance and start of construction and to obtain estimates of housing starts in nonpermit areas.

Housing.—The first Census of Housing was taken in 1940, although some housing data were collected by the Bureau of the Census in earlier years in conjunction with Censuses of Population and Agriculture. Housing data were collected in sample surveys by the Bureau of the Census in October 1944, November 1945, April 1947, and May 1948 as part of the Current Population Survey (see p. 1 for discussion of Survey). A second Census of Housing was taken in 1950. In 1955, a monthly vacancy survey was begun, results of which are issued on a quarterly basis. In 1956 a National Housing Inventory, conducted on a sample basis by the Bureau of the Census, provided measurements of the housing supply for the country as a whole, and for selected large metropolitan areas and information on components of change (gains and losses) during the 1950-56 period in terms of new construction, conversion, demolition, merger, and other additions and losses. The most recent Census of Housing was taken as of April 1, 1960. It included a components of change survey as of December 1959, covering the whole decade 1950-60 as well as the period 1957-60.

Housing units.—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters, that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) a kitchen or cooking equipment for the exclusive use of the occupants. Transient accommodations (tourist courts, hotels, etc.), barracks for workers (railroad, construction, etc.), and institutional-type quarters are not included in the housing-unit inventory.

In the 1950 Census, the unit of enumeration was the dwelling unit. Although the definition of housing unit in 1960 is essentially similar to that of dwelling unit in 1950, the housing unit definition was designed to encompass all private living quarters, whereas the dwelling unit definition did not cover all private living accommodations. The main difference was in the treatment of 1-room quarters. Nevertheless, the change in definition between 1950 and 1960 had relatively little effect on comparability of the data at national and State levels.

Residential financing.—As early as 1890, the Bureau of the Census (then Census Division of the Department of Interior) collected detailed statistics on residential mortgages. As part of the 1920 and 1940 Censuses, mortgage questions were asked of owners who occupied their own homes. In 1950, the census included a separate survey on residential financing, mainly conducted by mail after the basic population and housing enumeration had been completed. The survey covered nonfarm residential mortgaged properties, both owner and renter. As a part of the 1956 National Housing Inventory, data were collected on the financing of owner-occupied nonfarm properties. In 1960, the Residential Finance Survey program of the Census of Housing covered financing of both homeowner and rental properties and characteristics of nonmortgaged as well as mortgaged properties.

Data on home mortgages and foreclosures, based largely on reports from major holders, are provided by the Federal Home Loan Bank Board. The Federal Housing Administration compiles, from its records, data on its real estate financial operations, such as volume of mortgages insured, type of lending institution, etc. The Veterans' Administration also compiles, from its records, data on amounts and types of loans.

Urban, rural, and farm-nonfarm residence.—See section 1, "Population," for 1960 definitions of urban, rural, and farm-nonfarm residence.

Alaska and Hawaii.—For a general statement concerning the treatment of data for Alaska and Hawaii, see preface.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics, Colonial Times to 1957*, series N 1-28") provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

Value of Construction

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No. 1045. VALUE OF PRIVATE AND PUBLIC CONSTRUCTION: 1929 TO 1961

[In millions of dollars.] New series includes Alaska and Hawaii. New series differs from old in that it reflects differences due to the new series for housing starts (see headnote, table 1063), and the new series of private residential additions and alterations (based on a new quarterly survey by the Bureau of the Census) and in that it incorporates a revision of the farm construction estimates of the Department of Agriculture. Represents value of construction put in place during year. Differs from building, permit, and construction contract data in timing and coverage. Includes installed value of equipment which is integral part of structure but not of machinery, shipbuilding, or land costs. For old series, see also *Historical Statistics, Colonial Times to 1957*, series N 1-281.

TYPE OF CONSTRUCTION	OLD SERIES						NEW SERIES						
	1929	1930	1933	1935	1940	1945	1950	1955	1957	1958	1959	1960	1961
Total	14,994	12,615	5,357	7,377	12,801	11,905	42,031	60,007	65,765	66,796	73,284	75,807	75,112
New construction													(1)
Private	10,728	8,741	2,879	4,222	8,682	5,809	29,947	44,164	47,845	48,950	54,109	56,555	56,555
Residential (nonfarm)	8,307	5,883	1,231	1,999	5,054	3,411	26,051	32,440	33,766	33,492	38,002	40,344	39,603
Nonresidential buildings	3,625	2,003	470	1,010	2,955	1,276	14,100	18,705	17,019	18,047	22,331	24,962	22,546
Industrial	2,694	1,472	1,020	1,025	1,020	1,020	7,611	9,556	8,675	8,824	8,859	10,185	10,754
Office buildings and warehouses	649	532	176	188	442	642	3,804	3,557	2,382	2,093	2,168	2,861	2,739
Stores, restaurants, and garages	619	596	44	75	91	56	529	1,311	1,933	2,013	1,946	1,964	2,121
Other nonresidential buildings	610	578	86	136	235	147	886	1,907	2,435	2,704	2,059	2,313	2,332
Farm construction	307	193	49	126	240	267	1,655	1,660	1,578	1,495	1,651	1,308	1,235
Residential	147	107	20	61	145	100	738	750	738	699	772	423	441
Service buildings	160	86	20	65	95	167	872	850	840	796	879	853	844
Public utilities	1,678	1,327	261	363	771	827	3,320	4,836	5,414	5,087	4,990	5,008	5,323
Railroad	510	521	94	116	167	264	315	374	406	2,538	251	251	222
Electric light and power	350	377	59	87	311	245	1,268	1,767	2,100	2,250	2,072	2,050	2,058
Manufactured and natural gas	185	181	35	48	81	141	1,102	1,247	1,650	1,500	1,606	1,767	2,068
Telephone and telegraph	354	333	45	52	122	117	1,440	1,805	1,068	904	947	951	938
All other public utilities	179	115	28	60	80	60	205	170	190	189	206	207	250
Public	2,486	2,858	1,648	2,233	3,628	2,338	6,886	11,724	14,079	15,457	16,107	16,211	15,953
Residential	1,656	1,660	220	325	615	937	2,387	4,196	506	4,653	4,990	4,990	4,702
Industrial	(3)	(3)	2	164	755	59	1,133	2,442	2,721	4,473	408	3,683	4,444
Educational	389	364	52	163	166	85	469	300	354	2,875	2,875	2,646	2,818
Hospital and institutional	101	118	49	38	54	241	38	581	738	390	427	428	370
Other nonresidential buildings	169	178	127	135	36	37	385	600	177	1,287	1,402	1,055	1,167
Military facilities	19	29	36	37	302	398	2,184	3,861	4,954	1,441	1,488	1,386	1,368
Highways	1,266	1,516	847	845	1,302	97	659	1,085	1,344	1,545	5,842	5,870	6,818
Sewer and water systems	253	343	95	358	175	358	1,222	942	701	1,019	1,126	1,467	1,437
Conservation and development	115	137	359	700	528	130	66	260	328	510	605	777	1,350
All other public	174	173	81	139	145	64	119	6,086	12,084	15,843	17,920	17,846	19,556
Maintenance and repair	4,201	3,874	2,478	3,145	6,419	1,447	1,447	1,447	1,447	1,447	1,447	1,447	(1)

¹ Not available.

² Excludes building by privately owned public utilities.

³ Public industrial and commercial building not segregable from private construction; amount believed negligible.

⁴ Includes construction with R.E.A. funds.

⁵ Local transit and petroleum pipelines.

⁶ Includes work-in-progress.

Source: 1929-1957, Department of Labor, Bureau of Labor Statistics and Department of Commerce, Business and Defense Services Administration; *Construction Volume and Costs, 1915-1956*, a statistical supplement to *Construction Review* (a joint publication) and *Value of Non-House Construction, Fall in Place, 1945-1958* (revised June 1958); beginning 1958, Department of Commerce, Bureau of the Census; *Construction Reports*, Series C 3d.

No. 1046. VALUE OF NEW PRIVATE AND PUBLIC CONSTRUCTION IN 1947-49 PRICES, AND INDEX OF PHYSICAL VOLUME: 1929 TO 1961

[In millions of dollars. New series includes Alaska and Hawaii. For difference between old and new series, see headnote table 1045. For description and computation of the various indexes used in the derivation of constant values, see source. Represents value of construction put in place. For old series, see also *Historical Statistics, Colonial Times to 1957*, series N-29-54.]

TYPE OF CONSTRUCTION	OLD SERIES										NEW SERIES					
	1929	1930	1931	1932	1933	1935	1940	1945	1950	1955	1957	1958	1959	1960	1961	
<i>New construction Index of physical volume (1947-49 = 100) 1</i>																
Private.....	20,853	17,440	6,631	9,081	4,22	10,124	6,034	21,396	25,661	24,475	23,981	26,541	28,223	27,153	27,366	
Residential (nonfarm).....	16,413	12,047	3,223	4,841	2,297	5,913	1,813	13,019	15,075	12,913	13,555	10,238	18,152	16,157	16,046	
Nonresidential buildings.....	7,250	3,257	2,065	5,026	1,221	1,639	1,639	6,002	6,007	6,805	6,048	6,679	6,756	6,983	6,983	
Industrial.....	3,664	3,475	1,169	2,255	1,205	918	990	1,004	1,941	2,504	1,054	1,451	1,457	1,456	1,456	
Office buildings and warehouses.....	2,081	1,307	106	167	171	86	86	522	1,054	1,388	1,417	1,331	1,331	1,409	1,513	
Office buildings and warehouses.....	1,146	1,114	106	204	204	593	252	828	1,422	1,865	1,865	1,312	1,312	1,467	1,467	
Stores, restaurants, and garages.....	1,117	697	270	304	289	539	302	1,338	1,540	1,724	1,877	1,877	1,885	2,043	2,114	
Other nonresidential buildings.....	1,320	1,357	313	314	314	314	314	378	1,583	1,345	1,248	1,173	1,257	989	964	1,073
Farm construction.....	622	409	232	158	156	219	144	234	842	702	648	648	635	635	635	657
Residential.....	316	177	54	156	156	219	177	3,353	1,777	3,001	3,118	3,391	3,050	2,968	3,136	3,124
Service buildings.....	2,687	2,742	546	709	1,353	3,313	352	299	297	297	287	181	169	169	144	
Public utilities.....	835	808	194	282	222	225	167	402	612	743	637	637	644	719	625	
Railroad, telephone and telegraph.....	529	585	93	100	815	658	658	2,300	2,200	2,361	2,282	2,282	2,146	2,146	2,355	
Other public utilities.....	1,323	1,266	160	162	377	63	63	27	101	113	128	117	124	124	140	
All other private.....	180	160	160	160	160	160	160	160	160	160	160	160	160	160	160	
Public.....	4,440	5,393	3,408	4,240	6,643	3,047	6,576	9,074	10,528	11,496	11,852	11,932	11,501	12,286	12,286	
Residential.....	1,427	1,549	708	924	1,322	1,828	2,238	2,238	2,238	2,238	2,193	2,193	3,214	3,021	3,152	
Nonresidential buildings.....	(3)	1,549	708	924	1,322	1,828	2,238	2,238	2,238	2,238	2,193	2,193	3,214	3,021	3,152	
Industrial.....	812	854	6	5	157	432	323	101	1,061	1,888	2,003	1,082	1,768	1,775	2,254	
Educational.....	219	277	130	107	125	148	148	468	232	250	267	284	285	285	234	
Hospital and institutional.....	366	418	305	380	527	67	67	497	536	607	676	704	707	707	803	
Other nonresidential.....	37	60	90	85	730	1,000	171	1,063	955	1,023	1,037	1,071	1,071	1,071	958	
Military facilities.....	1,988	2,548	1,567	1,448	2,409	526	2,222	3,634	4,199	4,773	5,123	5,149	4,838	4,838	5,267	
Highways.....	466	645	205	325	531	131	124	140	590	739	865	867	867	867	887	
Sewer and water systems.....	278	303	106	80	141	157	232	261	261	311	313	313	313	313	326	
Public service enterprises.....	212	238	684	1,200	830	186	839	497	625	633	667	670	701	701	756	
Conservation and development.....	42	30	23	102	150	12	64	67	76	93	136	136	136	136	202	

¹ Indexes for the new series are based on the assumption that the change in the new series from the 1947-49 base period to 1959 is the same as the change in the old series in that period.

² Excludes building by privately owned public utilities.

³ Public industrial and commercial building not segregable from private construction; amount believed negligible.

Source: 1929-1957, Department of Labor, Bureau of Labor Statistics and Department of Commerce, Business and Defense Services Administration, *Construction Volume and Costs, 1915-1956*, a statistical supplement to *Construction Review* (a joint publication) and *Value of New Construction Put in Place, 1946-1958* (revised June 1959); beginning 1958, Department of Commerce, Bureau of the Census, *Construction Reports*, Series C 30.

Value of Construction

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No. 1047. VALUE OF NEW CONSTRUCTION, BY TYPE, FOR SELECTED MONTHS: 1960 TO 1962

[In millions of dollars. Includes Alaska and Hawaii. New series; see headnote, table 1045]

TYPE OF CONSTRUCTION	1960					1961					1962
	Apr.	June	Aug.	Oct.	Dec.	Apr.	June	Aug.	Oct.	Dec.	June (prel.)
New construction-----	4,316	5,158	5,205	5,018	4,482	4,372	5,301	5,402	5,325	4,659	5,836
Private-----	3,154	3,657	3,556	3,483	3,170	3,110	3,690	3,723	3,698	3,345	4,127
Residential (nonfarm)-----	1,858	2,105	2,031	1,897	1,698	1,735	2,138	2,109	2,094	1,896	2,512
New housing units-----	1,281	1,761	1,524	1,443	1,267	1,173	1,407	1,578	1,607	1,432	1,725
Additions and alterations-----	509	641	428	372	340	409	632	428	383	366	678
Nonhousekeeping-----	68	78	81	82	91	93	90	103	104	98	109
Nonresidential buildings-----	754	844	884	920	925	809	900	937	954	908	971
Industrial-----	223	234	237	255	264	234	219	213	221	221	235
Commercial-----	301	356	360	386	387	337	401	416	425	398	433
Office buildings and warehouses-----	157	171	184	192	201	187	196	201	201	195	208
Stores, restaurants, and garages-----	144	155	176	194	186	150	205	215	224	203	225
Other nonresidential buildings-----	230	264	287	288	274	238	280	308	308	289	303
Religious-----	75	83	92	98	86	71	81	90	90	85	82
Educational-----	43	45	50	52	50	43	47	55	56	52	50
Hospital and institutional-----	47	47	50	55	57	61	66	69	72	70	79
Social and recreational-----	49	65	71	67	60	49	62	69	64	57	68
Miscellaneous-----	16	24	24	21	21	17	24	25	26	25	24
Farm construction-----	100	117	126	111	87	116	156	160	127	97	137
Public utilities-----	423	477	489	490	437	428	473	497	504	427	484
Telephone and telegraph-----	91	104	97	97	86	78	80	85	89	78	84
Other public utilities-----	332	373	392	402	351	350	393	412	415	349	400
All other private-----	19	24	26	27	23	22	23	20	19	17	23
Public-----	1,162	1,501	1,649	1,553	1,312	1,202	1,611	1,670	1,627	1,314	1,709
Residential-----	61	60	58	60	59	60	72	69	76	80	79
Nonresidential buildings-----	381	426	448	448	391	433	468	462	459	391	462
Industrial-----	32	34	31	34	36	45	48	30	32	36	44
Educational-----	223	249	263	266	234	253	274	275	276	238	204
Hospital and institutional-----	34	36	36	34	31	31	31	32	34	30	34
Other nonresidential buildings-----	92	107	118	114	90	104	115	125	117	87	120
Military facilities-----	93	135	141	148	122	118	136	113	78	79	135
Highways-----	342	552	645	558	470	338	574	651	651	400	657
Sewer and water systems-----	124	130	139	128	112	130	140	149	140	122	156
Public service enterprises-----	45	59	78	66	43	46	59	66	60	30	44
Conservation and development-----	97	119	117	121	95	100	120	133	137	94	142
All other public-----	19	20	23	24	20	28	33	36	36	28	34

Source: Department of Commerce, Bureau of the Census; *Construction Report*, Series C 30.

No. 1048. VALUE OF NEW PUBLIC CONSTRUCTION, BY SOURCE OF FUNDS, OWNERSHIP, AND TYPE: 1950 TO 1961

[In millions of dollars. New series includes Alaska and Hawaii. For difference between old and new series, see headnote, table 1045. For old series, see also *Historical Statistics, Colonial Times to 1957*, series N 55-58, for source of funds]

SOURCE OF FUNDS, OWNERSHIP, AND TYPE OF CONSTRUCTION	OLD SERIES					NEW SERIES		
	1950	1955	1957	1958	1959	1959	1960	1961
New public construction-----	6,866	11,724	14,079	15,457	16,107	16,211	15,953	17,034
Federal funds-----	2,087	3,507	4,307	5,518	6,482	6,545	6,118	6,290
Direct Federal-----	1,626	2,777	2,993	3,388	3,708	3,755	3,665	3,795
Federal grants-in-aid ¹ -----	462	790	1,314	2,130	2,774	2,790	2,453	2,405
State and local funds-----	4,779	8,157	9,772	9,039	9,625	9,666	9,835	10,744
Federally owned-----	1,626	2,777	2,993	3,388	3,708	3,755	3,665	3,795
Residential-----	15	2	165	357	488	488	288	290
Nonresidential buildings-----	499	802	600	607	660	660	736	779
Industrial-----	224	721	473	408	368	368	407	444
Educational-----	6	8	11	11	11	11	20	28
Hospital-----	146	22	45	35	58	58	56	55
Other nonresidential-----	129	58	74	153	223	223	253	252
Military facilities-----	177	1,287	1,287	1,402	1,441	1,488	1,386	1,368
Highways-----	46	78	119	114	98	98	113	118
Conservation and development-----	881	598	818	885	981	981	1,051	1,163
All other federally owned-----	7	10	14	28	45	45	01	77
State and locally owned-----	5,241	8,947	11,086	12,069	12,300	12,450	12,288	13,239
Residential-----	330	264	361	489	472	474	428	550
Nonresidential buildings-----	1,888	3,304	3,907	4,046	3,839	3,855	4,056	4,353
Educational-----	1,133	2,436	2,817	2,864	2,635	2,645	2,798	3,023
Hospital-----	353	278	309	365	369	370	344	315
Other nonresidential-----	402	680	781	827	835	830	914	1,015
Highways-----	2,085	3,783	4,836	5,431	5,749	5,777	5,361	6,700
Sewer and water systems-----	659	1,036	1,344	1,387	1,462	1,467	1,487	1,581
All other State and locally owned-----	276	421	649	716	877	884	966	1,056

¹ Construction programs currently receiving Federal grants-in-aid cover highways, schools, hospitals, airports, and miscellaneous community facilities.

Source: Department of Commerce, Bureau of the Census. Published in Department of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1049. BUILDING PERMIT ACTIVITY—VALUE OF PRIVATE CONSTRUCTION, BY TYPE OF CONSTRUCTION: 1959 TO 1961

[In millions of dollars. Includes Alaska and Hawaii. New series; differs from old series in table 1050. Old series covers private and public construction in approximately 7,000 places; new series covers private construction only, in 3,014 of the generally more active permit-issuing places, selected from the presently known total of about 10,000 places having building permit systems]

TYPE OF CONSTRUCTION	1959	1960	1961 (prel.)
Total	19,881	17,932	18,849
New housing units			
1-family	12,379	10,305	10,005
2- to 4-family	10,487	8,477	8,397
5-or-more-family	1,892	462	489
Nonhousekeeping	429	1,366	2,080
300		300	306
New nonresidential buildings	5,176	5,478	5,515
Industrial buildings	923	932	896
Office buildings	915	969	914
Service stations and repair garages	(1)	114	131
Stores and other mercantile buildings	1,117	1,070	1,134
Religious buildings	486	444	444
Educational buildings	(1)	437	514
Hospitals and other institutional buildings	(1)	337	441
Amusement buildings	(1)	193	235
Residential garages	198	173	161
All other nonresidential buildings	(1)	810	616
Additions and alterations	1,807	1,899	1,073

¹ Not shown separately but included in new nonresidential buildings total.

Source: Department of Commerce, Bureau of the Census. Published in Department of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1050. BUILDING PERMIT ACTIVITY—VALUE BY CLASS OF CONSTRUCTION AND OWNERSHIP: 1954 TO 1959

[In millions of dollars. Excludes Alaska and Hawaii. Old series, not comparable with new series in table 1049; for differences between old and new series, see headnote, table 1049. Covers building activity in approximately 7,000 urban and rural-nonfarm localities having building-permit systems. Such localities include about 80 percent of the nonfarm population of the country, according to the 1950 Census. Compiled from estimates of construction costs made by prospective builders when applying for permits to build, and value of contracts awarded by the Federal Government. State and local government construction is reported by local officials]

CLASS OF CONSTRUCTION	1954	1955	1956	1957	1958	1959
All building construction	16,486	18,939	18,788	18,169	20,090	22,467
New housing units	9,856	11,535	10,150	9,220	10,790	12,488
Privately owned	9,696	11,388	9,972	8,039	10,305	12,186
1-family	8,917	10,643	9,222	7,923	8,886	10,322
2- to 4-family	299	292	303	340	419	544
5-or-more-family	481	451	447	676	990	1,320
Publicly owned	159	149	178	290	491	302
Nonhousekeeping buildings	136	161	142	184	205	301
New nonresidential buildings	5,024	5,594	6,664	6,851	7,173	7,594
Commercial buildings	1,501	1,859	2,185	2,225	2,446	2,679
Amusement buildings	98	99	116	140	193	224
Commercial garages	60	67	61	58	56	52
Service stations and repair garages	120	140	166	159	125	130
Office buildings	454	553	828	976	1,073	1,106
Stores and other mercantile buildings	860	999	1,014	892	999	1,167
Community buildings	1,875	1,946	2,263	2,488	2,684	2,613
Educational buildings	1,178	1,242	1,431	1,497	1,644	1,523
Institutional buildings	336	308	380	525	570	677
Religious buildings	361	396	451	465	470	513
Garages, private residential	166	188	202	201	170	204
Industrial buildings	662	830	1,273	1,092	875	996
Public buildings	318	307	(1)	(1)	(1)	(1)
Public utilities buildings	209	273	328	424	425	357
All other nonresidential buildings	201	101	413	422	564	676
Additions, alterations, and repair	1,470	1,649	1,881	1,904	1,916	2,154

¹ Beginning 1956, data no longer shown separately for "public buildings." Such buildings have been classified, according to function, into appropriate categories; e. g., office, industrial, institutional, other nonresidential, etc.

Source: Department of Commerce, Bureau of the Census. Published in Department of Commerce, Business and Defense Services Administration, *Construction Review*.

Residential Expenditures—Materials Indexes

747

No. 1051. EXPENDITURES FOR RESIDENTIAL ADDITIONS AND ALTERATIONS, MAINTENANCE AND REPAIRS, AND REPLACEMENTS ON ALL PROPERTIES, BY TENURE AND SIZE OF PROPERTY: 1961

[In millions of dollars, except average. Includes Alaska and Hawaii. Based on sample and subject to sampling variability; see source for definitions, coverage, and methodology]

TYPE OF WORK	Total, all prop- erties	OWNER-OCCUPANTS OF PRO- PERTIES WITH 1 TO 4 Hous- ING UNITS			Nonres- ident owners of prop- erties with 1 to 4 housing units	Owners of prop- erties with 5 or more housing units	Renters
		Total	1 hous- ing unit	2 to 4 housing units			
Total	13,805	9,018	7,411	1,607	3,434	995	358
Average expenditure per property owner	313		295	434	340	1,186	-----
Additions and alterations	5,586	4,134	3,508	626	1,153	228	71
Additions	1,075	780	567	213	266	26	3
Alterations, inside	3,355	2,422	2,163	259	706	188	39
Alterations, outside	1,156	932	778	154	181	14	20
Maintenance and repair	6,167	8,538	2,801	737	1,750	613	266
Painting	2,994	1,607	1,294	313	971	261	155
Heating and central air conditioning	404	261	208	53	104	17	22
Plumbing	614	315	221	94	175	89	35
Roofing	522	289	195	94	186	44	3
Flooring	323	221	184	37	84	10	8
Other	1,251	845	699	146	228	135	43
Maintenance and repairs payroll	59	(1)	(1)	(1)	2	57	(1)
Replacements	2,052	1,346	1,102	244	581	154	21
Heating and plumbing	1,119	624	511	118	346	128	21
Roofing	398	266	233	33	110	22	(2)
Other	535	456	358	98	75	4	(2)

¹ Not applicable. ² Less than \$500,000.

Source: Department of Commerce, Bureau of the Census; *Construction Reports*, Series C50-2-5, and records.

No. 1052. INDEXES OF WHOLESALE PRICES OF CONSTRUCTION MATERIALS: 1950 TO 1961

[1957-59=100. Includes Alaska and Hawaii]

COMMODITY	1950	1955	1960	1961 ¹	COMMODITY	1950	1955	1960	1961 ¹
All construction materials	83.0	95.1	100.5	98.6	Metals and products—Continued				
Lumber and wood products:					Enamelled iron fixtures	95.6	108.0	104.8	104.9
Softwoods:					Vitreous china fixtures	94.4	98.4	102.5	100.5
Douglas fir	97.4	108.1	99.0	94.9	Brass fittings	72.8	91.7	103.6	105.2
Southern pine	94.1	100.4	100.1	95.8	Heating equipment	86.4	94.6	98.2	94.6
Other softwoods	89.2	102.6	97.2	90.7	Steam and hot water equipment	73.5	89.0	102.9	102.2
Hardwoods	93.8	97.9	103.8	98.5	Metal doors, sash, and trim	70.0	100.2	95.3	94.9
Millwork	87.7	98.4	104.5	101.9	Nonmetallic mineral items:				
Plywood	108.4	107.4	97.8	95.7	Plato glass	78.1	92.8	96.4	91.5
Softwood	121.5	117.7	92.0	90.3	Concrete ingredients	77.1	90.2	102.7	102.8
Hardwood	96.7	97.0	102.8	101.4	Portland cement	72.1	87.7	103.5	103.3
Building paper and board	74.9	91.1	101.4	100.8	Concrete products	82.4	92.7	102.4	102.5
Prepared paint	77.8	89.7	100.7	103.6	Concrete pipe	73.4	89.8	104.4	104.3
Metals and products:					Structural clay products	71.7	89.3	103.1	103.2
Structural steel shapes	62.3	78.2	102.8	102.8	Gypsum products	80.0	93.4	101.9	103.8
Reinforcing bars	61.0	83.7	102.3	99.9	Prepared asphalt roofing	86.5	90.5	91.6	98.6
Black steel pipe, carbon	61.1	79.0	99.9	98.8	Insulation materials	97.9	103.2	100.7	95.0
Wire nails, 8d common	64.1	84.1	98.5	96.8	Linoleum, inlaid	77.3	93.7	104.6	103.3
Copper water tubing	73.5	106.1	99.6	79.2	Asphalt floor tile	92.0	97.4	102.4	104.3
Building wire	73.1	103.9	99.1	95.0	Rubber floor tile	83.0	94.2	100.5	100.5
Plumbing fixtures and brass fittings	84.5	98.0	103.2	103.4					

¹ Preliminary.

Source: Department of Labor, Bureau of Labor Statistics.

No. 1053. COST INDEXES FOR CONSTRUCTION AND SELECTED COMPONENTS OF CONSTRUCTION: 1940 TO 1961

[1947-49 = 100. Excludes Alaska and Hawaii, except as noted. Indexes of certain of these firms are published on bases different from those shown here. See also *Historical Statistics, Colonial Times to 1957*, series N 85-182.]

ITEM	1940	1945	1950	1955	1960	1961
Bureau of Labor Statistics:						
Composite of materials prices and hourly earnings in building construction ¹	50.6	66.9	110.3	133.5	(3)	(3)
Wholesale prices of building materials ²	49.4	61.3	109.5	125.5	(2)	(2)
Average hourly earnings in building construction ³	52.6	75.7	111.5	146.1	(2)	(2)
Union hourly wage scales in the building trades ⁴	63.3	72.2	110.7	141.2	(2)	(2)
Department of Commerce: Composite ⁵	50	67	107	125	143	145
Bureau of Public Roads: Highways ⁶	49.7	75.7	95.6	106.1	111.5	111.4
American Appraisal Company: Building construction ⁷	43	58	106	129	154	153
Associated General Contractors of America: General construction ⁸	58	71	110	136	165	168
E. H. Boeckh and Associates: ⁹						
Small residential structures: Composite	50.5	70.1	107.7	123.9	139.7	140.1
Apartments, hotels, and office buildings: Composite	54.8	71.3	109.6	130.6	151.6	153.5
Commercial and factory buildings: Composite	55.2	71.6	109.5	131.9	154.4	155.6
Engineering News-Record: ¹⁰						
Building construction	60.3	71.1	111.6	139.3	166.3	168.9
General construction	53.7	68.3	113.2	146.5	182.9	188.1
George A. Fuller Company: Commercial buildings ¹¹	53	65	101	124	150	155
Turner Construction Company: Building construction ¹²	48	65	105	123	145	146
Whitman Requardt and Associates (Handy-Whitman Index): ¹³						
Public-utility construction:						
Building	53	66	112	141	176	175
Gas plant	58	66	117	142	181	184
Electric light and power ¹⁴	62	69	113	146	176	173

¹ Represents combination of indexes of wholesale prices of building materials (weighted 61.4 percent) and average of hourly earnings in building construction (weighted 38.6 percent).

² Not available.

³ Includes Alaska and Hawaii. Covers materials either (a) physically incorporated as integral part of a building or (b) normally installed during construction and not removable without seriously impairing building. Excludes consumer durables, as kitchen ranges, refrigerators, etc.

⁴ Covers both full- and part-time construction workers through working foreman level, engaged on-site or off-site in actual construction work (including preassembly and precutting operations) who are employed by general contractors and by subcontractors engaged in special trades, such as plumbing, painting, etc. Excludes all non-construction workers employed by these firms.

⁵ Based on minimum wage rates agreed upon through collective bargaining; excludes overtime. As of June 1 for 1940; July 1, thereafter.

⁶ Covers both building and nonbuilding construction excluding maintenance and repair. Represents a weighted average of various indexes both private and government, used for different types of construction.

⁷ Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforced steel, structural steel, and structural concrete).

⁸ Average for 30 cities of 4 types of buildings: Wood-frame, brick-wood frame, brick-steel frame, and reinforced concrete. Covers materials and labor costs in structural portion of buildings but excludes materials and labor prices for plumbing, heating, lighting, sprinklers, and elevators. Reflects employee-benefit costs, and allows for contractors' overhead and profit.

⁹ Covers both building and nonbuilding construction. Wages and materials for 12 cities combined in 40-60 ratio. Wages are for hod carriers and common laborers only. Materials weighted: Sand, gravel, crushed stone, cement, common brick, and lumber, 1 each; hollow tile, ½; and structural and reinforcing steel (together) ¼. Excludes taxes and employee-benefit costs.

¹⁰ Average of 20 cities for types shown. Weights based on surveys of actual building costs and vary with different types of structures. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and social security payroll taxes. Unweighted averages from Boeckh series prepared by Department of Commerce, Bureau of the Census.

¹¹ Building construction index computed on basis of hypothetical unit of construction requiring 6 bbls. of portland cement, 1,088 M. bd. ft. of 2" x 4" lumber, 2,600 lbs. of structural steel, and 68.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor. Not adjusted for changes in materials availability, competitive conditions, efficiency of plant and management, productivity, or related factors.

¹² Composite of 36 major cost elements in 3 commercial-type buildings including structural elements and elevators, wiring, plumbing, heating, and ventilating. Job costs include both skilled and unskilled labor, and series reflects employee-benefit costs.

¹³ Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs.

¹⁴ Based on data covering public utility construction costs (building construction, gas plant construction, and electric light and power construction) for 65 items in 6 geographical regions of the U.S. Job costs include both skilled and common labor. Indexes do not reflect tax payments nor employee-benefit cost. Department of Commerce, Bureau of the Census, has converted these series to a 1947-49 base, and combined the various items into a single index.

¹⁵ As derived by Department of Commerce, Bureau of the Census; covers steam production plants only; excludes hydraulic plants.

Source: Department of Labor, Bureau of Labor Statistics, *Construction Cost Indexes* (Report No. 73), and records; and Department of Commerce, Bureau of the Census. Published in Department of Commerce, Business and Defense Services Administration, *Construction Review*.

Contract Awards—Public Works

749

No. 1054. VALUE OF CONTRACT AWARDS FOR NEW PUBLIC CONSTRUCTION, BY OWNERSHIP AND TYPE OF CONSTRUCTION: 1955, 1960, AND 1961

[In millions of dollars. Beginning 1959, includes Alaska and Hawaii. Includes force-account construction (work done by government agencies' own employees to perform nonmaintenance construction) and major additions and alterations. Federal may exclude some classified projects. State and local represents work under the jurisdiction of State, county, municipal, or other non-Federal governmental units, including projects under Federal-aid programs]

OWNERSHIP AND TYPE OF CONSTRUCTION	1955	1960	1961	OWNERSHIP AND TYPE OF CONSTRUCTION	1955	1960	1961
All public construction	9,001	12,928	12,746	State and locally owned	7,445	10,750	10,828
Federally owned	1,556	2,178	1,918	Residential building	210	454	650
Residential building	61	209	242	Nonresidential building	2,842	3,670	3,639
Nonresidential building	886	760	536	Highway	2,934	4,026	4,391
Airfields	157	306	457	Sewerage systems	502	701	811
Conservation and development	272	344	222	Water supply facilities	394	528	454
Highway	59	129	92	Public service enterprises	378	423	420
Electric power utilities	44	104	261	All other State and locally owned	185	348	464
All other federally owned	78	117	100				

Source: Department of Commerce, Bureau of the Census. Published in Department of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1055. FEDERAL EXPENDITURES FOR PUBLIC WORKS: 1955 TO 1962

[In millions of dollars. For years ending June 30. Includes public works in United States, Trust Territory of the Pacific Islands, Panama Canal and Canal Zone, and structures in foreign countries owned by the U.S. Government (e.g., Department of State, foreign service buildings). From budget accounts and trust funds. Comprises direct Federal works and grants and loans to State and local governments for public works]

FUNCTION AND TYPE OF FACILITY	1955	1957	1958	1959	1960	1961	1962 estimate
Civil public works ¹	1,715	2,243	3,106	4,535	5,011	4,925	5,802
International affairs and finance	5	9	14	35	28	14	30
Space research and technology: Research and flight centers ²	22	12	17	25	54	98	154
Agriculture and agricultural resources	43	48	21	31	43	40	56
Natural resources	830	804	988	1,096	1,123	1,307	1,392
Commerce and transportation	665	1,088	1,681	2,831	3,161	2,891	3,306
Housing and community development	87	17	20	25	21	33	101
Health, labor, and welfare	38	41	76	127	131	134	151
Education	137	124	179	188	211	186	219
Veterans services and benefits	33	40	36	49	60	50	74
General government: Government buildings and facilities	20	60	73	128	178	161	231
National defense public works	2,408	2,249	1,964	2,150	1,835	1,898	1,531
Military public works	1,612	1,059	1,748	1,942	1,618	1,605	1,250
Civil defense public works	787	263	210	207	218	(3)	5
Atomic energy facilities	8	28	6	1	—	293	276
Defense production expansion and other							

¹ Excludes nonconstruction costs; includes proposed legislation.

² Prior to 1958, principally aeronautics rather than space programs.

³ Less than \$500,000.

Source: Executive Office of the President, Bureau of the Budget; *Budget of the U.S. Government, 1963*.

No. 1056. CONSTRUCTION CONTRACTS—VALUE OF CONSTRUCTION AND FLOOR SPACE OF BUILDINGS, BY CLASS OF CONSTRUCTION: 1957 TO 1961

[Value in millions of dollars; floor space in millions of square feet. Excludes Alaska and Hawaii]

CLASS OF CONSTRUCTION	VALUE OF CONSTRUCTION					FLOOR SPACE OF BUILDINGS				
	1957	1958	1959	1960	1961	1957	1958	1959	1960	1961
Total	32,173	35,090	36,268	36,318	37,135	2,003	2,101	2,337	2,154	2,203
Nonresidential buildings:										
Commercial ¹	3,267	3,197	3,496	3,725	3,797	245	243	281	283	293
Industrial	2,168	1,400	1,880	2,114	1,814	176	113	158	178	160
Educational and science	2,936	2,007	2,666	3,005	3,015	207	201	181	196	194
Hospital	870	879	865	832	985	40	38	38	36	44
Public buildings	470	655	605	679	671	27	37	34	33	33
Religious	690	746	799	789	805	50	51	54	53	53
Social and recreational	420	500	601	631	623	31	37	43	44	41
Miscellaneous	455	664	474	464	403	33	47	33	31	29
Residential buildings	13,039	14,696	17,150	15,105	16,123	1,195	1,333	1,512	1,300	1,364
Public works	5,466	6,802	5,804	6,946	6,911	(2)	(2)	(2)	(2)	(2)
Utilities	2,375	2,644	1,928	2,026	1,985	(3)	(2)	(2)	(2)	(2)

¹ Includes nonindustrial warehouses. ² Not available.

Source: F. W. Dodge Corp., New York, N.Y.; published currently in *Dodge Construction Contract Statistics Service*.

Construction and Housing

No. 1057. CONSTRUCTION CONTRACTS—VALUE, BY STATES: 1940 TO 1961

[In millions of dollars. See headnote, table 1056. Represents value of construction in States in which work was actually done. Beginning 1957, shown on revised basis; therefore not comparable with prior years]

STATE	1940	1950	1955	1957	1958	1959	1960	1961
Total ¹	4,004	14,501	23,745	32,173	35,090	36,268	36,318	37,135
Alabama.....	57	227	320	377	540	623	407	497
Arizona.....				485	414	459	453	550
Arkansas.....	20	126	139	217	234	202	280	281
California.....				4,024	4,368	4,875	4,947	5,249
Colorado.....				465	478	510	461	550
Connecticut.....	85	200	565	603	543	552	618	595
Delaware.....	17	62	114	112	122	116	98	128
District of Columbia.....	65	97	119	166	164	171	222	232
Florida.....	167	632	1,047	1,359	1,431	1,655	1,443	1,435
Georgia.....	91	206	450	537	649	692	606	757
Idaho.....				138	151	122	115	142
Illinois.....	268	930	1,921	2,036	1,857	2,068	2,098	1,068
Indiana.....	126	389	649	790	727	821	803	830
Iowa.....	59	104	271	371	419	391	411	407
Kansas.....	52	214	612	383	462	457	462	426
Kentucky.....	67	191	375	453	481	476	486	500
Louisiana.....	70	311	612	630	678	661	579	589
Maine.....	14	40	154	105	152	133	116	125
Maryland.....	123	539	821	604	651	745	708	761
Massachusetts.....	150	486	759	680	824	796	764	799
Michigan.....	217	838	1,329	1,364	1,307	1,359	1,410	1,301
Minnesota.....	66	301	512	572	686	669	661	678
Mississippi.....	52	103	172	278	225	274	288	239
Missouri.....	122	368	688	575	770	742	807	698
Montana.....				139	162	134	133	195
Nebraska.....	26	106	221	227	246	262	288	307
Nevada.....				85	102	99	130	190
New Hampshire.....	12	34	86	104	124	125	103	109
New Jersey.....	165	748	1,010	1,048	1,136	1,290	1,235	1,293
New Mexico.....				256	299	264	220	199
New York.....	474	1,767	2,655	3,115	3,557	3,000	3,093	3,547
North Carolina.....	81	288	353	445	534	643	652	622
North Dakota.....	7	63	85	139	172	138	141	122
Ohio.....	267	978	2,035	1,888	2,049	2,046	1,924	2,039
Oklahoma.....	54	253	434	364	507	462	489	509
Oregon.....				299	384	354	365	416
Pennsylvania.....	268	1,188	1,530	1,544	1,586	1,567	1,430	1,555
Rhode Island.....	55	90	93	103	108	148	118	139
South Carolina.....	49	134	233	235	349	168	338	303
South Dakota.....	10	62	87	119	152	307	186	186
Tennessee.....	106	397	469	392	477	636	618	576
Texas.....	254	1,072	1,487	1,691	2,042	2,035	2,021	2,140
Utah.....				227	268	227	196	262
Vermont.....	9	21	35	75	72	79	51	61
Virginia.....	169	393	606	639	706	757	968	928
Washington.....				686	673	831	632	679
West Virginia.....	41	96	137	229	249	236	198	203
Wisconsin.....	83	332	562	671	696	689	753	702
Wyoming.....				107	106	109	121	111

¹ Excludes Alaska and Hawaii. Total for 37 Eastern States and D.C. through 1955, 48 States and D.C. thereafter.

Source: F. W. Dodge Corp., New York, N.Y.; published currently in *Dodge Construction Contract Statistics Service*.

No. 1058. CONSTRUCTION CONTRACTS—INDEXES OF VALUE: 1940 TO 1962

[1947-49=100; 1940-55; 1957=100, beginning 1956. Indexes are derived from monthly figures of construction contracts reported by F. W. Dodge Corporation. Reports covered 37 States and D.C. through 1955, and 48 States and D.C. thereafter. Indexes through 1955 based on 3-month moving average, centered at middle month; indexes beginning 1956 based on monthly data. More detailed description of old index, including seasonal adjustments, obtainable from Division of Research and Statistics, Board of Governors of the Federal Reserve System.]

YEAR	Total	Residen-tial	All other	YEAR AND MONTH	Total	Residen-tial	All other
1940	44	43	44	1961:			
1945	36	16	50	January	93	90	95
1947	84	86	83	February	83	80	86
1948	102	98	105	March	118	126	113
1949	113	116	111	April	123	134	118
1950	159	185	142	May	131	143	122
1951	171	170	172	June	134	143	128
1952	183	183	183	July	132	138	127
1953	192	178	201	August	132	146	123
1954	215	232	204	September	112	127	102
1955	261	280	248	October	123	138	112
1956	98	99	98	November	112	120	107
1957	100	100	100	December	101	104	100
1958	110	113	107	1962:			
1959	113	132	101	January	99	110	92
1960	114	117	112	February	103	110	98
1961	116	124	111	March	149	143	153
				April	144	167	128

Source: Board of Governors of the Federal Reserve System; published currently in *Federal Reserve Bulletin*.

No. 1059. ENGINEERING CONSTRUCTION CONTRACTS AWARDED AND BACKLOG OF PROPOSED CONSTRUCTION—VOLUME, BY TYPE: 1940 TO 1961

[In millions of dollars. Beginning 1950, includes Alaska and Hawaii. Covers U.S. construction projects of following minimum costs: for 1940 and 1945, waterworks, excavation, drainage, and irrigation, \$15,000; other public works, \$25,000; industrial plants, \$40,000; other buildings, \$150,000. For 1950, minimums were: \$28,000, \$50,000, \$68,000, and \$250,000. For 1955, 1957, and 1958, minimums were: \$44,000, \$72,000, \$92,000, and \$344,000. For 1959-61, minimums were: \$53,000, \$88,000, \$110,000, and \$400,000. See also *Historical Statistics, Colonial Times to 1957*, series N 75-84.]

YEAR	Total	PUBLIC WORKS						PRIVATE BUILDINGS		Un-classified
		Water-works	Sewer-age	Bridges ¹	Earth-work, irr., drain.	Streets, roads	Buildings	Industrial plants	Commercial	
CONTRACTS AWARDED										
1940	3,987	70	91	120	234	678	1,106	594	400	603
1945	2,280	61	35	53	57	227	463	635	387	371
1950	13,342	215	287	369	417	1,268	2,3,754	1,083	4,092	1,256
1955	18,722	314	402	546	540	2,137	2,1,987	2,051	7,794	2,046
1957	17,986	360	556	781	969	2,965	2,2,995	3,081	4,795	1,475
1958	19,165	306	618	713	1,045	3,720	2,3,664	1,766	5,534	1,790
1959	20,428	378	655	570	915	2,899	2,3,195	2,993	6,861	1,958
1960	22,654	455	619	794	780	3,401	2,3,300	2,792	8,051	2,462
1961	21,981	431	819	651	804	3,712	2,3,427	2,817	7,636	1,688
BACKLOG OF PROPOSED PROJECTS (DEC. 31)										
1950	52,113	1,387	2,182	1,602	7,282	4,598	12,050	5,753	6,963	10,206
1955	93,053	1,990	2,088	2,700	11,293	11,313	16,405	14,302	15,767	18,235
1957	111,482	2,422	3,362	3,401	12,370	18,180	20,208	10,774	20,253	19,513
1958	114,175	2,660	3,576	3,410	11,906	12,920	20,668	17,075	22,392	19,569
1959	118,319	2,844	3,820	3,532	12,091	12,960	21,343	17,163	23,980	20,586
1960	124,700	2,919	4,117	3,385	12,135	13,634	22,724	17,086	27,274	20,526
1961	126,635	3,157	4,369	3,266	12,350	18,202	22,908	17,960	29,111	20,262

¹ Includes private; amount of contracts awarded in 1961, \$1,153,000; amount in backlog of proposed work in 1961, \$11,757,000.

² Includes contracts awarded for atomic energy plants as follows (in millions): 1950, \$2,020; 1955, \$131; 1957, \$56; 1958, \$84; 1959, \$241; 1960, \$59; 1961, \$82.

Source: McGraw-Hill Publishing Co., New York, N.Y.; *Engineering News-Record* and *Construction Daily*.

No. 1060. ENGINEERING CONSTRUCTION CONTRACTS AWARDED—VOLUME, BY TYPE,
BY STATES: 1961

[In thousands of dollars. Covers U.S. construction projects of following minimum costs: Waterworks, excavation, and irrigation, \$53,000; other public works, \$88,000; industrial plants, \$110,000; other buildings, \$400,000]

STATE	Total	PUBLIC WORKS CONTRACTS						PRIVATE BUILDING CONTRACTS		Un- clas- ified	
		Water- works	Sewer- age	Bridges ¹	Earth- work, irriga- tion, drain- age	Streets, roads	Build- ings ²	Indus- trial plants	Com- mer- cial		
United States	21,980,883	430,706	819,286	651,354	803,706	3,711,673	8,426,684	2,816,705	7,636,298	1,684,601	
Alabama	305,838	3,066	7,157	9,138	10,304	52,320	80,465	18,650	94,048	40,600	
Alaska	72,085	433	2,348	1,441	2,107	13,937	15,002	—	8,136	28,081	
Arizona	229,603	1,258	4,649	2,104	15,973	56,581	24,571	7,250	51,790	65,427	
Arkansas	243,422	3,052	8,019	2,050	36,332	40,533	23,707	17,303	43,404	72,132	
California	2,482,650	82,816	124,184	49,458	106,754	335,377	487,450	250,206	903,491	133,815	
Colorado	273,046	5,877	4,782	8,678	13,439	34,327	32,681	22,423	134,031	17,408	
Connecticut	414,155	550	18,764	1,050	5,932	39,886	52,462	44,390	240,856	10,275	
Delaware	113,799	—	1,607	935	1,564	18,868	18,959	26,473	43,349	2,041	
Dist. of Columbia	261,240	110	20,333	8,537	—	206	19,116	81,165	4,019	122,402	5,352
Florida	609,402	8,862	26,025	6,872	17,418	75,268	70,694	57,906	310,404	86,953	
Georgia	425,246	4,233	13,298	13,393	6,170	100,606	58,661	66,621	120,509	22,815	
Hawaii	143,753	4,008	3,796	935	1,457	10,031	15,979	13,779	80,300	14,288	
Idaho	78,090	479	3,089	1,547	1,795	30,172	26,447	2,130	10,791	1,040	
Illinois	1,062,918	26,734	52,489	49,713	14,842	139,340	150,474	147,940	307,155	84,231	
Indiana	246,725	2,137	15,825	20,603	10,114	35,194	50,202	65,139	42,928	4,553	
Iowa	192,832	1,803	14,119	10,680	15,220	70,728	21,137	8,943	40,422	9,777	
Kansas	228,252	2,120	3,894	9,038	27,326	54,004	26,192	43,304	13,397	48,509	
Kentucky	322,856	4,731	13,978	10,010	23,357	105,529	83,907	24,621	40,078	10,646	
Louisiana	366,977	4,068	20,320	35,569	24,795	87,298	37,272	72,741	89,419	35,497	
Maine	61,440	441	2,145	3,220	1,410	17,454	12,125	5,658	8,703	10,275	
Maryland	503,764	10,845	14,455	12,173	777	44,358	123,944	126,937	154,023	15,052	
Massachusetts	470,503	12,800	14,888	14,487	3,452	47,346	111,543	66,184	181,631	18,160	
Michigan	511,106	14,221	76,707	15,826	17,526	201,840	52,621	32,908	79,795	19,602	
Minnesota	361,238	9,230	25,020	10,527	6,927	60,300	60,363	47,221	99,491	23,069	
Mississippi	180,274	1,333	5,019	3,252	6,929	45,722	25,570	73,183	7,927	11,330	
Missouri	433,420	3,934	10,226	27,710	10,547	77,010	54,503	47,335	176,337	19,728	
Montana	205,596	100	1,215	4,912	47,638	42,543	20,945	12,600	3,939	71,704	
Nebraska	156,336	1,807	12,648	5,751	12,454	44,020	40,606	6,838	21,914	10,208	
Nevada	78,100	—	134	—	104	17,839	17,937	—	31,000	11,084	
New Hampshire	58,464	445	320	414	1,600	20,585	6,675	2,940	19,575	7,010	
New Jersey	1,186,751	17,685	22,754	28,727	9,549	61,607	130,188	200,400	690,120	19,650	
New Mexico	108,590	3,750	626	1,042	10,757	22,318	23,564	16,305	8,035	22,193	
New York	2,367,212	41,383	45,001	97,824	10,944	375,749	408,810	225,042	1,014,620	141,839	
North Carolina	352,614	9,857	11,380	13,658	1,613	55,470	61,515	73,600	113,224	12,191	
North Dakota	65,890	154	909	1,019	3,613	23,078	13,879	11,100	3,949	8,109	
Ohio	1,151,201	18,688	45,281	10,873	14,291	224,061	160,136	112,800	534,063	22,029	
Oklahoma	200,030	7,528	3,847	6,085	43,825	38,326	26,205	27,779	15,096	31,339	
Oregon	145,471	3,136	7,381	14,364	10,701	44,400	11,696	6,453	28,282	19,103	
Pennsylvania	1,021,246	16,027	40,877	23,170	29,171	165,313	95,718	102,731	443,198	16,011	
Rhode Island	54,984	2,135	772	—	12,500	7,296	8,174	6,209	13,507	4,301	
South Carolina	175,283	1,003	1,715	7,095	2,255	43,258	24,101	42,811	33,518	17,972	
South Dakota	152,212	—	—	3,031	33,205	28,042	16,595	575	4,807	65,957	
Tennessee	390,422	9,824	8,068	10,241	15,762	86,375	109,703	27,907	89,510	32,132	
Texas	1,070,791	48,357	40,741	19,294	60,789	250,834	138,008	400,953	816,490	105,325	
Utah	143,460	2,400	4,008	2,280	11,253	29,018	40,448	10,000	20,000	22,877	
Vermont	38,288	62	1,770	363	760	25,877	8,037	278	4,296	806	
Virginia	470,353	9,775	7,410	20,560	1,781	94,550	103,457	20,494	136,789	75,587	
Washington	305,872	9,201	18,064	19,150	33,605	40,398	54,354	23,415	58,754	39,880	
West Virginia	109,743	519	10,522	5,474	26,849	22,109	5,505	30,710	5,102	3,153	
Wisconsin	325,747	15,123	20,237	13,373	1,150	71,106	94,507	18,132	73,184	9,935	
Wyoming	110,960	2,038	644	3,751	13,042	36,667	6,655	34,040	1,256	11,057	

¹ Includes bridges under private contracts amounting to \$1,153,000.

² Includes \$82,049,000 in contracts awarded for atomic energy plants.

Construction Contracts—Housing Units

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No. 1061. NEW HOUSEKEEPING RESIDENTIAL CONSTRUCTION AUTHORIZED—VALUATION AND NUMBER OF UNITS, FOR SELECTED STANDARD METROPOLITAN STATISTICAL AREAS: 1960 AND 1961

Includes public housing contract awards. Authorizations cover only permit-issuing places within SMSA's. For definition of standard metropolitan statistical areas, see headnote, table 10]

STANDARD METROPOLITAN STATISTICAL AREA	VALUATION (\$1,000)		NUMBER OF HOUSING UNITS	
	1960	1961	1960	1961
Atlanta.....	124,068	122,801	13,378	13,075
Baltimore.....	84,171	118,521	6,832	10,622
Birmingham.....	38,551	37,726	4,064	4,000
Boston.....	121,768	141,021	10,072	12,440
Buffalo.....	56,291	44,861	4,500	3,689
Chicago.....	505,511	618,226	41,348	45,371
Cincinnati.....	91,444	88,360	7,580	7,282
Cleveland.....	183,422	172,186	12,360	10,852
Columbus.....	91,067	95,181	5,687	6,833
Dallas.....	149,256	183,064	13,754	17,639
Dayton.....	70,333	66,558	5,016	4,884
Denver.....	135,067	191,411	13,386	19,500
Detroit.....	227,202	214,800	16,400	15,686
Fort Worth.....	43,837	47,380	4,785	4,812
Honolulu.....	91,137	59,813	8,397	5,774
Houston.....	104,589	130,872	8,213	11,499
Indianapolis.....	51,998	66,165	4,570	5,997
Jacksonville.....	42,557	41,608	3,358	6,050
Kansas City.....	89,914	90,926	7,562	7,529
Los Angeles-Long Beach.....	945,412	1,105,213	81,670	92,773
Louisville.....	45,081	48,132	3,982	4,590
Memphis.....	33,322	37,368	5,102	5,096
Miami.....	142,800	114,626	11,593	10,207
Milwaukee.....	95,030	78,565	8,596	6,886
Minneapolis-St. Paul.....	108,749	170,967	12,745	13,689
New Orleans.....	61,678	78,853	5,093	6,274
New York.....	747,410	1,011,853	70,900	96,198
Orlando.....	48,087	45,084	5,375	4,774
Philadelphia.....	244,877	297,496	23,500	27,236
Phoenix.....	143,134	131,840	16,320	15,068
Pittsburgh.....	124,039	92,015	9,185	6,806
Sacramento.....	99,852	68,599	9,299	6,509
St. Louis.....	127,910	129,008	11,371	10,901
San Bernardino-Riverside-Ontario.....	133,840	131,494	13,290	12,688
San Diego.....	180,402	135,435	14,407	10,075
San Francisco-Oakland.....	321,206	366,850	28,085	32,664
San Jose.....	173,310	178,321	16,427	15,995
Santa Barbara.....	52,516	75,753	3,783	5,808
Seattle.....	103,976	124,152	7,583	9,110
Tampa-St. Petersburg.....	118,990	119,997	13,364	12,174
Tucson.....	40,848	35,248	4,325	3,697
Washington, D.C.....	220,265	278,065	20,329	26,174

Source: Department of Commerce, Bureau of the Census, *Construction Reports*, Series C42.

No. 1062. HOUSING UNITS, BY GEOGRAPHIC DIVISIONS INSIDE AND OUTSIDE STANDARD METROPOLITAN STATISTICAL AREAS: 1950 AND 1960

[Includes Alaska and Hawaii. The unit of enumeration was dwelling unit in 1950 and housing unit in 1960; see p. 742 for difference in definition. For definition of standard metropolitan statistical areas, see headnote table 10. For composition of divisions, see table 1072]

DIVISION	1950			1960		
	Total		Inside SMSA's ¹	Outside SMSA's ¹	Total	
	Number	Percent			Number	Percent
United States.....	46,137,076	100.0	27,142,919	18,994,157	58,326,357	100.0
New England.....	2,879,409	6.2	1,901,179	918,230	3,521,663	6.0
Middle Atlantic.....	9,171,773	19.0	7,378,229	1,793,544	11,276,697	19.3
East North Central.....	9,334,211	20.2	5,868,958	3,465,253	11,057,510	20.0
West North Central.....	4,411,435	9.6	1,664,886	2,746,549	5,140,204	8.8
South Atlantic.....	5,996,267	13.0	2,735,531	3,260,730	8,032,524	13.8
East South Central.....	3,105,164	6.9	1,020,837	2,174,327	3,006,348	6.2
West South Central.....	4,462,354	9.7	2,006,551	2,465,803	5,533,810	9.5
Mountain.....	1,608,421	3.5	644,277	984,144	2,226,564	3.8
Pacific.....	5,078,042	11.0	3,802,471	1,215,571	7,330,941	12.6

¹ As defined in 1960.

Source: Department of Commerce, Bureau of the Census; U.S. *Census of Housing: 1950*, Vol. I, and *1960*, Vol. I.

Construction and Housing

No. 1063. NEW HOUSING UNITS STARTED, BY TYPE: 1940 TO 1961

[New series includes Alaska and Hawaii. In general, new series is more nearly complete in coverage than old, and is based on a broader definition of housing unit. Also, new series is derived from continuing field measurement of actual housing starts; old series relied on current field measurement only in areas where building permits not required. For detailed description of sources and methods, see *Construction Reports*, Series C20-11 (Supplement), May 1960. For old series, see also *Historical Statistics, Colonial Times to 1957*, series N 106-117]

YEAR	HOUSING UNITS STARTED (1,000)								ESTIMATED CONSTRUCTION COST (\$1,000,000) ¹		
	Total	Area ¹		Type of structure			Type of financing				
		Metropoli-	Non-	1-	2-	Multi-	Private		Pub-	Pri-	
							Total	Govern-			
							FHA	VA			
OLD SERIES ² (NONFARM)											
1940-----	603	(6)	(6)	480	37	80	530	(6)	73	2,072	227
1945-----	209	(6)	(6)	185	9	16	208	(6)	1	959	8
1950-----	1,306	1,022	374	1,154	45	197	1,352	487	44	11,418	370
1955-----	1,329	976	353	1,194	33	102	1,310	277	19	14,340	190
1956-----	1,118	780	338	900	31	98	1,094	189	24	12,815	282
1957-----	1,042	700	342	873	33	136	993	168	49	12,127	567
1958-----	1,209	827	382	975	39	195	1,142	295	68	13,679	821
1959-----	1,379	910	432	1,095	53	231	1,843	333	37	16,464	404
NEW SERIES (NONFARM)											
1959-----	1,531	1,076	455	1,220	59	244	1,495	333	87	18,549	432
1960-----	1,274	888	386	987	51	237	1,230	261	44	15,596	528
1961-----	1,327	936	301	952	60	325	1,276	244	52	16,073	600
NEW SERIES (NONFARM AND FARM)											
1959-----	1,554	1,077	477	1,281	59	244	1,517	333	87	19,398	432
1960-----	1,296	889	407	1,000	51	237	1,252	261	44	15,881	528
1961-----	1,355	937	418	980	50	325	1,304	244	52	16,423	600

¹ For definition of standard metropolitan statistical areas, see headnote, table 10: For old series, metropolitan segment corresponds to the 168 standard metropolitan statistical areas used in the 1960 census; for new series, 1959 and 1960 based on 1959 definitions (standard metropolitan statistical areas, 1959, Bureau of the Budget). Beginning 1961, based on 1961 revision (*Standard Metropolitan Statistical Areas, 1961*, Bureau of the Budget).

² Includes 1- and 2-family structures with stores.

³ Includes multifamily structures with stores.

⁴ Private construction costs based on permit valuation, adjusted for understatement of costs shown on permit applications, supplemented by reported estimates of construction costs in nonpermit areas. Public construction costs based on contract values or estimated construction costs for individual projects.

⁵ Permanent units only.

⁶ Not available.

Source: 1940-1958, Department of Labor, Bureau of Labor Statistics, *Nonfarm Housing Starts, 1880-1958* (Bulletin No. 1260); beginning 1959, Department of Commerce, Bureau of the Census, *Construction Reports*, Series C20, and records.

No. 1064. MOBILE HOMES AND TRAVEL TRAILERS—MANUFACTURERS SHIPMENTS: 1956 TO 1962

[A mobile home, or housing-type trailer, is a vehicular portable structure built on a chassis and designed to be used without a permanent foundation as a year-round dwelling when connected to utilities. Mobile homes are defined as units over 28 feet long and weighing over 4,500 pounds; travel trailers, as units less than 29 feet long, regardless of weight, or weighing less than 4,500 pounds, regardless of length. Excludes units designed for commercial uses, pickup cabs, folding campers, and amphibious units]

YEAR AND MONTH	Total	Mobile homes	Travel trailers	Total shipments as percent of private housing starts
1956-----	139,690	(1)	(1)	2 12.8
1957-----	143,490	(1)	(1)	2 14.5
1958-----	133,800	(1)	(1)	2 11.7
1959-----	162,500	120,500	42,000	10.7
1960-----	144,000	103,700	40,300	11.5
1961-----	126,780	87,480	39,300	9.7
1962:				
January-----	8,230	6,400	1,880	10.3
February-----	10,930	7,580	3,350	14.4
March-----	13,980	9,090	4,890	12.3

¹ Not available.

² Based on private nonfarm housing starts, "old series." See table 1063.

Source: Department of Commerce, Business and Defense Services Administration; *Construction Review*.

One-Family Units—Occupied Units

755

No. 1065. NUMBER AND AVERAGE CONSTRUCTION COST OF NEW PRIVATELY OWNED NONFARM ONE-FAMILY HOUSING UNITS STARTED: 1940 TO 1962

[New series includes Alaska and Hawaii. Average cost of all such housing units started nationally. Data do not represent construction cost of a typical house. These averages are affected by changes in cost of materials and labor, variations in size and design of the houses, type of projects started, differences in construction methods, and other variables. Construction costs cover only labor, materials, and subcontracted work, and that part of the builders' overhead and profit chargeable directly to the construction projects. Cost data based primarily on builders' estimates of construction cost made at the start of construction. For difference between old and new series, see headnote, table 1063]

YEAR	Number of housing units started	Average construction cost per unit	YEAR AND MONTH		Number of housing units started	Average construction cost per unit
			NEW SERIES			
1940.....	447,000	\$4,075	1959.....		1,211,700	\$13,425
1945.....	184,600	4,650	1960.....		972,300	13,775
1948.....	763,200	7,850	January.....		937,500	13,900
1949.....	792,400	7,625	February.....		48,500	13,200
1950.....	1,150,700	8,675	March.....		52,300	13,725
1951.....	892,200	9,300	April.....		75,200	13,875
1952.....	939,100	9,475	May.....		81,400	14,000
1953.....	932,800	9,050	June.....		94,100	13,650
1954.....	1,077,300	10,625	July.....		98,000	14,350
1955.....	1,190,000	11,350	August.....		93,700	13,600
1956.....	980,700	12,225	September.....		92,000	13,775
1957.....	840,200	13,025	October.....		89,100	14,200
1958.....	932,500	12,950	November.....		89,000	14,250
1959.....	1,078,500	13,450	December.....		72,300	13,500
			1962, January.....		52,100	14,350
					53,100	14,250

Source: Department of Commerce, Bureau of the Census. Published in Department of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1066. OCCUPIED HOUSING UNITS—PERCENT OF HOME OWNERSHIP, BY COLOR, AND REGIONS: 1950 AND 1960

[Beginning 1960, includes Alaska and Hawaii. The unit of enumeration was dwelling unit in 1950 and housing unit in 1960; see p. 742 for difference in definition. For composition of Census regions, see fig. I, p. XII]

TENURE	1950					1960				
	United States	North-east	North Central	South	West	United States	North-east	North Central	South	West
TOTAL										
Occupied housing units.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied.....	55.0	48.4	60.7	53.7	57.3	61.9	56.1	67.0	62.0	61.3
Renter occupied.....	45.0	51.6	39.3	46.3	42.7	38.1	43.9	33.0	38.0	38.7
WHITE										
Occupied housing units.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied.....	56.9	49.7	62.0	57.7	58.2	64.4	58.1	60.1	66.4	62.5
Renter occupied.....	43.1	50.3	38.0	42.3	41.8	35.6	41.9	30.9	33.6	37.5
NONWHITE										
Occupied housing units.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied.....	34.9	21.6	33.9	37.2	40.2	38.4	27.0	35.8	41.6	44.6
Renter occupied.....	65.1	78.4	66.1	62.8	59.8	61.6	73.0	64.2	58.4	55.4

Source: Department of Commerce, Bureau of the Census; U.S. Census of Housing: 1950, Vol. I, and 1960, Vol. I.

No. 1067. VACANT HOUSING UNITS—PERCENT DISTRIBUTION BY CONDITION AND STATUS, INSIDE AND OUTSIDE STANDARD METROPOLITAN STATISTICAL AREAS: 1950 TO 1962

Beginning 1960, includes Alaska and Hawaii. 1950 figures based on complete enumeration. Beginning 1960, figures based on sample data from Current Population Survey; see Technical Note, p. 213. For definition of standard metropolitan statistical areas, see headnote, table 10; data refer to 168 SMSA's as constituted in 1960.

CONDITION AND STATUS	TOTAL				INSIDE SMSA'S		OUTSIDE SMSA'S	
	April 1950	1st quarter 1960	1st quarter 1961	1st quarter 1962	April 1950	1st quarter 1962	April 1950	1st quarter 1962
All housing units-----	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Year-round vacant:								
Sound or deteriorating-----	8.3	6.2	6.0	6.5	2.8	5.6	4.0	7.9
For rent-----	1.1	2.6	3.0	2.8	1.1	3.1	1.2	2.6
For sale only-----	0.5	0.6	0.7	0.7	0.5	0.6	0.4	0.0
Rented or sold, awaiting occupancy-----	1.7	{ 0.4	0.4	0.5	{ 1.2	{ 0.5	2.4	{ 0.4
Held off market ¹ -----		2.6	2.5	2.5		1.4		4.0
Dilapidated-----	1.1	1.2	0.9	0.9	0.4	0.5	2.0	1.4
Seasonal vacant-----	2.5	2.8	2.7	2.6	1.1	1.0	4.0	4.7
Occupied-----	93.1	89.8	89.8	90.0	95.7	92.9	90.0	86.0

¹ Unoccupied units and units temporarily occupied by nonresidents (persons with usual residence elsewhere).

Source: Department of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-111, Nos. 16, 20, 24, and 28.

No. 1068. VACANCY RATES—PERCENT DISTRIBUTION, BY REGIONS, AND INSIDE AND OUTSIDE STANDARD METROPOLITAN STATISTICAL AREAS: 1950 to 1962

Rental vacancy rate is the relationship between vacant housing for rent and the total rental supply, which comprises renter-occupied units, vacant units already rented and awaiting occupancy, and vacant units available for rent. Home-owner vacancy rate is the relationship between vacant housing for sale and the total home-owner supply, which comprises owner-occupied units, vacant units already sold and awaiting occupancy, and vacant units available for sale. For composition of regions, see fig. I, p. XII; for definition of standard metropolitan statistical areas, see headnote, table 10; data refer to 168 SMSA's as constituted in 1950.

ITEM AND YEAR	United States ¹	REGIONS				Inside SMSA'S	Outside SMSA'S
		North-east	North Central	South	West ¹		
Rental vacancy rate:							
1950, April-----	2.6	1.5	1.7	3.4	4.9	2.2	3.2
1959, 1st quarter-----	6.1	3.4	7.0	8.0	6.6	4.7	8.6
1960, 1st quarter-----	7.2	4.4	7.7	8.3	9.7	6.1	9.2
1961, 1st quarter-----	8.0	4.6	8.5	8.9	11.0	7.2	9.4
1962, 1st quarter-----	7.7	4.5	9.2	8.8	8.5	7.5	8.0
Home-owner vacancy rate:							
1950, April-----	0.9	0.0	0.7	1.0	1.3	1.1	0.7
1959, 1st quarter-----	1.0	0.8	0.9	1.2	1.5	0.9	1.2
1960, 1st quarter-----	1.1	0.9	1.1	1.3	1.0	1.1	1.1
1961, 1st quarter-----	1.2	1.0	1.0	1.6	1.1	1.0	1.4
1962, 1st quarter-----	1.2	0.9	0.9	1.7	1.4	1.0	1.5

¹ Beginning 1960, includes Alaska and Hawaii.

Source: Department of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-111, Nos. 16, 20, 24, and 28.

Vacant Housing Units

757

No. 1069. AVAILABLE VACANT HOUSING UNITS—SELECTED CHARACTERISTICS: 1960 TO 1962

[Percent distribution. First quarter figures. Beginning 1960, includes Alaska and Hawaii. See headnote, table 1068]

VACANT RENTAL UNITS	1960	1961	1962	VACANT HOMEOWNER UNITS	1960	1961	1962
Number of housing units in structure.....	100	100	100	Number of housing units in structure.....	100	100	100
1 housing unit.....	35	29	30	1 housing unit.....	93	96	92
2 to 4 housing units.....	39	36	34	2 housing units.....	6	3	5
5 housing units or more.....	26	35	36	3 housing units or more.....	1	1	3
Duration of vacancy at time of enumeration.....	100	100	100	Duration of vacancy at time of enumeration.....	100	100	100
Less than 1 month.....	28	30	28	Less than 1 month.....	16	17	12
1 to 2 months.....	13	13	13	1 to 2 months.....	11	13	9
2 to 4 months.....	18	19	16	2 to 4 months.....	24	20	21
4 months or more.....	41	38	43	4 months or more.....	49	50	58
Percent with all plumbing facilities.....	71	69	68	Percent with all plumbing facilities.....	88	87	91
Median number of rooms.....	3.4	3.2	3.2	Median number of rooms.....	5.3	5.4	5.4
Median monthly rent asked.....	\$54	\$53	\$53	Median sale price asked.....	\$13,900	\$12,500	\$12,300

Source: Department of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-111, Nos. 24 and 28.

No. 1070. VACANT RENTAL UNITS—SELECTED CHARACTERISTICS: 1960 AND 1961

[Percent distribution. Second quarter figures. Beginning 1960, includes Alaska and Hawaii. Represents nonfarm available-for-rent vacant units. See headnote, table 1068]

CHARACTERISTICS	MONTHLY RENT ASKED, 1960						MONTHLY RENT ASKED, 1961					
	Total	Less than \$30	\$30 to \$49	\$50 to \$74	\$75 to \$99	\$100 or more	Total	Less than \$30	\$30 to \$49	\$50 to \$59	\$60 to \$99	\$100 or more
Percent of total.....	100	15	31	30	15	9	100	14	30	13	30	13
Number of rooms in unit.....	100	100	100	100	100	100	100	100	100	100	100	100
1 and 2 rooms.....	31	55	40	23	15	15	31	42	45	28	18	19
3 and 4 rooms.....	50	35	47	54	65	54	49	42	42	55	57	45
5 rooms or more.....	19	10	13	23	20	31	20	16	13	17	25	36
Number of housing units in structure.....	100	100	100	100	100	100	100	100	100	100	100	100
1 housing unit.....	27	42	27	25	18	28	28	53	28	29	24	24
2 housing units.....	21	9	21	27	26	11	20	11	21	18	25	19
3 and 4 housing units.....	19	10	18	23	22	14	16	10	18	17	18	11
5 housing units or more.....	33	39	34	25	34	47	36	26	38	36	33	46
Duration of vacancy at time of enumeration.....	100	100	100	100	100	100	100	100	100	100	100	100
Less than 1 month.....	34	22	29	30	44	37	32	16	27	36	37	38
1 to 2 months.....	14	9	13	14	17	18	14	9	14	13	15	21
2 to 4 months.....	16	10	18	15	17	19	18	14	18	16	20	22
4 months or more.....	36	59	40	32	22	26	36	61	41	36	28	19

Source: Department of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-111, Nos. 21 and 25.

Construction and Housing

No. 1071. OCCUPIED HOUSING UNITS—TENURE, AND POPULATION PER HOUSING UNIT, BY COLOR OF OCCUPANTS, AND BY NONFARM AND FARM RESIDENCE, 1900 TO 1960

[Beginning 1960, includes Alaska and Hawaii. Minus sign (−) denotes decrease. See also *Historical Statistics, Colonial Times to 1957*, series N 139–146]

COLOR OF OCCUPANTS, RESIDENCE, AND YEAR	OCCUPIED HOUSING UNITS (OR FAMILIES) ¹						PERCENT INCREASE OVER PRECEDING CENSUS	Population per occupied housing unit (or family) ²		
	Total	Reporting tenure	Owner-occupied		Renter-occupied					
			Number	Percent	Number	Percent				
1900	15,663,905	15,428,987	7,205,212	46.7	8,223,775	53.3	25.8	20.7	4.8	
1910	20,255,555	19,781,606	9,083,711	45.9	10,607,895	54.1	26.9	21.0	4.6	
1920	24,351,676	23,810,558	10,866,940	45.6	12,943,508	54.4	20.2	14.9	4.3	
1930	20,004,663	20,321,991	14,002,074	47.8	15,319,817	52.2	22.8	16.1	4.1	
1940	34,884,532	34,854,532	15,195,763	43.6	19,658,789	56.4	16.6	7.2	3.8	
1950	42,826,281	42,826,281	23,559,906	55.0	19,266,315	45.0	22.9	14.5	3.5	
1956	49,873,023	49,873,023	30,120,509	60.4	19,753,414	39.6	16.5	(3)	(3)	
1960	53,023,875	53,023,875	32,796,720	61.9	20,227,155	38.1	23.8	18.5	3.4	
COLOR OF OCCUPANTS										
White										
1900	14,063,791	13,659,106	6,788,069	49.7	6,871,037	50.3	25.0	21.2	4.8	
1910	(3)	(3)	(3)	(3)	(3)	(3)	(3)	22.3	(3)	
1920	21,825,654	21,379,163	10,286,267	48.1	11,092,806	51.9	(3)	16.0	4.3	
1930	26,982,094	26,492,256	13,288,429	50.2	13,203,827	49.8	23.6	16.3	4.1	
1940	31,501,126	31,501,126	14,418,002	45.7	17,143,034	54.3	17.0	7.2	3.7	
1950	39,043,595	39,043,595	22,240,970	57.0	16,802,625	43.0	23.7	14.1	3.5	
1956	45,540,563	45,540,563	28,556,958	62.7	16,983,605	37.3	16.6	(3)	(3)	
1960	47,879,816	47,879,816	30,823,194	64.4	17,056,622	35.6	22.6	17.5	3.3	
Nonwhite										
1900	1,900,174	1,769,881	417,143	23.6	1,352,738	76.4	32.4	17.1	4.8	
1910	(3)	(3)	(3)	(3)	(3)	(3)	(3)	11.5	(3)	
1920	2,526,022	2,431,305	580,603	23.9	1,850,702	76.1	(3)	6.3	4.3	
1930	2,921,660	2,829,635	713,645	25.2	2,115,990	74.8	15.7	14.7	4.3	
1940	3,293,406	3,203,406	777,671	23.6	2,515,735	76.4	12.7	7.7	4.1	
1950	3,782,686	3,782,686	1,318,996	34.9	2,463,690	65.1	14.9	17.1	4.2	
1956	4,333,360	4,333,360	1,563,551	36.1	2,769,809	63.9	14.6	(3)	(3)	
1960	5,144,059	5,144,059	1,973,526	38.4	3,170,533	61.6	36.0	26.7	4.0	
RESIDENCE										
Nonfarm										
1900	10,274,127	9,779,070	3,566,808	36.5	6,213,170	63.5	20.7	(3)	(3)	
1910	14,131,045	13,072,044	5,245,380	38.4	8,426,664	61.6	37.5	(3)	(3)	
1920	17,600,472	17,229,304	7,041,233	40.9	10,188,111	59.1	24.5	(3)	4.2	
1930	23,300,026	22,017,072	10,540,972	46.0	12,367,100	54.0	32.4	25.0	4.0	
1940	27,747,973	27,747,973	11,413,036	41.1	16,334,937	58.9	19.1	9.5	3.7	
1950	37,105,250	37,105,250	19,801,646	53.4	17,303,618	46.6	23.7	25.8	3.4	
1956	49,457,554	49,457,554	30,163,836	61.0	19,293,718	39.0	33.3	30.0	3.4	
Farm ⁴										
1900	5,680,338	5,649,008	3,638,403	64.4	2,010,605	35.6	19.4	(3)	(3)	
1910	6,123,610	6,109,562	3,838,331	62.8	2,271,231	37.2	7.6	(3)	(3)	
1920	6,751,204	6,581,164	3,825,677	58.1	2,755,487	41.9	10.2	(3)	4.7	
1930	6,604,637	6,404,819	3,452,102	53.9	2,052,717	46.1	-2.2	-4.6	4.6	
1940	7,106,559	7,106,559	3,782,727	53.2	3,323,832	40.8	7.6	0.2	4.3	
1950	5,721,022	5,721,022	3,758,320	65.7	1,992,702	34.3	-19.5	-23.7	4.0	
1956	3,566,321	3,566,321	2,032,884	73.8	933,437	26.2	-37.7	-41.7	3.8	

¹ The unit of enumeration was dwelling unit in 1940 and 1950 and housing unit in 1960; see p. 742 for difference in definition. For 1900 and 1930, count of families represents private families only; for 1910 and 1920, includes small number of quasi-family groups which were counted as families.

² Since population in private families was not tabulated separately for all years, population per occupied housing unit (or family) is based on total population (including population in quasi-households). See table 7, pp. 10, 11.

³ Not available.

⁴ For 1900 to 1920, "Farm" contains a small proportion of urban-farm families in addition to the rural-farm families. For changes in definition of "Farm," see "Farm and nonfarm residence," pp. 1, 2.

Source: Department of Commerce, Bureau of the Census; U.S. *Census of Housing: 1950*, Vol. I, and 1960, Vol. I; and *1956 National Housing Inventory*.

Housing Units

759

No. 1072. HOUSING UNITS—SELECTED CHARACTERISTICS, BY STATES: 1960

[For definition of median, see headnote, table 18]

STATE	ALL HOUSING UNITS			OCCUPIED HOUSING UNITS				AVAILABLE VACANT HOUSING UNITS, RATE			
	Total (1,000)	Percent—		Total (1,000)	Percent—		Medians	Home-owner vacancy ²	Rental vacancy ³		
		With all plumbing facilities ¹	Dilapi- dated or lacking one or more plumb- ing fa- cilities		Owner occu- pied	Occupied by non- white					
United States	58,326	74.0	7.8	53,024	61.9	9.7	4.9	3.0	1.6	6.7	
New England	3,522	78.7	7.6	13.7	3,116	59.1	2.3	5.2	3.0	1.4	5.4
Maine	365	61.2	7.2	31.5	280	66.5	0.4	5.4	3.0	1.6	6.8
N.H.	224	72.9	8.7	18.4	130	65.1	0.3	5.3	2.9	1.7	6.1
Vt.	136	68.4	10.7	20.9	111	66.0	0.1	5.8	3.0	1.5	6.2
Mass.	1,691	81.1	8.0	11.0	1,535	65.9	2.3	5.3	3.0	1.2	5.0
R.I.	287	78.7	6.6	14.7	257	54.5	2.0	5.1	2.9	1.2	0.6
Conn.	819	84.8	6.7	8.6	753	61.9	3.8	5.1	3.1	1.5	5.0
Middle Atlantic	11,277	81.2	8.4	10.4	10,406	55.2	7.7	5.1	2.9	1.2	3.8
N.Y.	5,606	81.3	8.9	9.8	5,249	44.8	8.3	4.7	2.8	1.2	3.2
N.J.	1,990	85.2	7.0	7.0	1,806	61.3	7.5	5.2	3.1	1.3	3.9
Pa.	3,582	78.8	8.5	12.7	3,351	68.3	7.0	5.6	3.0	1.1	5.5
East North Central	11,658	77.1	7.8	15.1	10,711	66.7	7.2	5.1	3.0	1.4	6.7
Ohio	3,041	77.6	8.2	14.2	2,853	67.4	7.3	5.3	3.0	1.5	6.6
Ind.	1,503	73.0	8.4	18.5	1,388	71.1	5.1	4.9	3.0	1.3	7.0
Ill.	3,276	78.0	7.4	14.6	3,085	57.8	9.4	4.9	2.9	1.2	5.6
Mich.	2,549	78.7	8.1	13.2	2,239	74.4	8.4	5.3	3.1	1.5	9.7
Wis.	1,289	75.0	6.9	18.1	1,146	68.6	1.8	5.3	3.0	1.2	5.4
West North Central	5,140	68.6	8.0	23.3	4,668	67.8	3.7	5.0	2.8	1.3	6.7
Minn.	1,119	70.5	6.4	23.1	992	72.1	1.0	5.2	3.0	1.1	6.0
Iowa	905	69.8	9.2	21.0	841	69.1	0.9	5.4	2.8	1.0	5.4
Mo.	1,401	65.8	7.3	26.0	1,360	64.3	8.2	4.7	2.7	1.6	7.1
N. Dak.	195	60.6	5.6	33.8	173	68.4	1.3	5.1	3.3	1.4	5.3
S. Dak.	216	61.5	7.6	31.0	105	67.2	2.4	5.2	3.1	1.1	5.6
Nebr.	473	72.3	0.1	18.6	433	64.8	2.1	5.1	2.8	1.1	6.0
Kans.	740	71.9	10.6	17.5	673	68.9	3.0	5.1	2.8	1.6	9.4
South Atlantic	8,033	67.2	6.4	26.4	7,267	61.0	19.0	4.9	3.1	1.9	7.6
Del.	144	80.4	6.5	13.2	129	66.9	12.2	5.7	3.1	1.9	8.5
Md.	935	81.4	6.7	11.8	803	64.5	14.3	5.5	3.2	1.8	6.2
D.C.	263	84.9	6.4	8.7	252	30.0	44.1	4.0	2.3	1.0	4.4
Va.	1,160	66.2	5.6	28.2	1,073	61.3	17.6	5.1	3.2	1.6	6.9
W. Va.	574	56.7	9.2	34.1	521	64.3	4.5	5.1	3.2	1.2	7.9
N.C.	1,323	57.1	6.4	36.5	1,205	60.1	20.8	4.9	3.3	1.1	6.4
S.C.	678	54.3	6.4	39.4	604	57.3	20.3	4.8	3.4	1.3	7.7
Ga.	1,170	58.4	6.7	34.9	1,070	56.2	24.6	4.8	3.2	1.0	5.9
Fla.	1,777	78.3	5.6	16.1	1,550	67.5	14.5	4.7	2.6	3.5	12.7
East South Central	3,606	53.0	6.7	40.3	3,307	61.8	19.5	4.7	3.2	1.3	6.3
Ky.	926	53.4	6.0	40.6	852	64.3	7.1	4.8	3.1	1.2	6.9
Tenn.	1,084	57.2	7.0	35.8	1,008	63.7	14.7	4.8	3.1	1.5	6.2
Ala.	967	53.5	7.1	39.4	884	59.7	25.8	4.8	3.2	1.0	6.8
Miss.	629	44.5	6.6	48.9	568	57.7	36.5	4.6	3.2	1.0	4.8
West South Central	5,534	64.8	9.3	25.9	4,929	63.7	14.9	4.7	3.0	2.0	9.6
Ark.	587	48.2	7.4	44.4	524	61.4	18.6	4.5	2.9	1.4	6.1
La.	978	60.9	8.1	31.0	802	59.0	23.4	4.5	3.2	1.8	7.2
Okla.	816	66.0	11.2	22.8	735	67.0	8.0	4.7	2.7	1.6	9.6
Tex.	3,153	68.8	9.6	21.6	2,778	64.8	11.7	4.7	3.0	2.2	11.1
Mountain	2,227	74.9	9.0	16.1	1,976	65.2	3.8	4.6	3.1	1.8	9.1
Mont.	233	68.1	10.1	21.9	202	64.0	2.3	4.5	2.9	1.4	9.3
Idaho	224	72.6	10.9	16.5	194	70.5	1.1	4.7	3.1	1.5	9.5
Wyo.	113	72.0	10.5	17.5	99	62.2	1.6	4.5	3.0	1.2	8.0
Colo.	595	76.4	8.2	15.4	520	63.8	2.7	4.8	2.9	1.7	8.1
N. Mex.	282	69.5	8.2	22.3	251	65.3	5.7	4.5	3.4	1.6	9.2
Ariz.	416	70.2	8.4	15.4	367	63.9	7.7	4.5	3.1	2.4	10.8
Utah	265	81.9	10.1	8.0	242	71.7	1.6	4.8	3.4	1.9	8.7
Nev.	102	80.9	7.7	11.4	92	56.3	5.7	4.2	2.6	1.7	8.4
Pacific	7,331	83.9	7.6	8.5	6,645	60.2	7.4	4.7	2.7	2.1	8.8
Wash.	1,010	78.4	9.8	11.8	894	68.5	2.9	4.9	2.7	1.8	11.8
Oreg.	623	76.6	11.1	12.2	558	69.3	1.7	4.9	2.7	1.6	9.2
Calif.	5,466	86.6	6.7	6.8	4,982	58.4	7.0	4.7	2.7	2.2	8.5
Alaska	67	57.7	9.3	32.0	57	48.3	16.3	3.7	3.1	1.8	6.8
Hawaii	166	69.6	10.2	20.2	163	41.1	64.1	4.5	3.7	1.1	4.1

¹ Includes hot and cold running water inside the structure and flush toilet and bathtub or shower inside the structure for exclusive use of the people in the unit.² Base is total of units occupied by owners and available vacant units for sale.³ Base is total of units occupied by renters and available vacant units for rent.

No. 1073. HOUSING UNITS—TENURE, CONDITION AND PLUMBING, ROOMS, AND PERSONS PER ROOM: 1960

[Includes Alaska and Hawaii]

ITEM	Total units	Units occupied by nonwhite persons	ITEM	Total units	Units occupied by nonwhite persons
All housing units.....	58,323,672	(1)	ROOMS		
TENURE AND VACANCY STATUS			Units with 1 room.....	1,829,727	243,277
Owner-occupied units.....	32,796,087	1,974,218	Units with 2 rooms.....	2,800,177	408,204
Percent of all occupied.....	61.9	38.3	Units with 3 rooms.....	7,074,499	1,009,211
Renter-occupied units.....	20,224,974	3,178,440	Units with 4 rooms.....	12,399,003	1,348,164
A available vacant units.....	1,974,918	(1)	Units with 5 rooms.....	14,204,911	1,018,816
For rent.....	1,453,133	(1)	Units with 6 rooms.....	11,028,401	705,234
For sale only.....	521,755	(1)	Units with 7 rooms.....	4,949,904	244,580
Other vacant.....	3,327,603	(1)	Units with 8 or more rooms.....	4,036,363	185,150
			Median rooms per unit.....	4.0	4.2
CONDITION AND PLUMBING			PERSONS		
Sound.....	46,914,583	2,797,274	Units with 1 person.....	7,405,473	811,082
With all plumbing facilities.....	42,605,338	2,217,045	Units with 2 persons.....	14,883,515	1,194,484
Lacking only hot water.....	504,450		Units with 3 persons.....	9,778,343	820,085
Lacking private toilet or bath or running water.....	8,804,800	580,220	Units with 4 persons.....	9,117,768	676,598
Deteriorating.....	8,384,162	1,470,201	Units with 5 persons.....	5,816,521	519,328
With all plumbing facilities.....	4,766,330	626,900	Units with 6 or more persons.....	6,010,441	1,121,390
Lacking only hot water.....	353,127		Median persons per unit.....	2.9	3.2
Lacking private toilet or bath or running water.....	3,264,705	843,271	PERSONS PER ROOM		
Dilapidated.....	3,024,027	885,133	Units with 0.50 or less.....	22,312,130	1,591,610
			Units with 0.51 to 1.00.....	24,578,824	2,104,086
			Units with 1.01 or more.....	6,130,307	1,457,622

¹ Not available.Source: Department of Commerce, Bureau of the Census; *Congressional District Data Book (Districts of the 87th Congress)*, 1961.

No. 1074. LOW-RENT DWELLING UNITS SUPERVISED BY THE PUBLIC HOUSING ADMINISTRATION, BY PROGRAM: 1950 to 1961

[As of December 31. Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands]

PROGRAM	1950 ¹	1955 ¹	1959	1960	1961		
					Total	Federally owned	Locally owned
Total.....	302,146	489,744	585,212	593,286	624,094	1,974	622,120
CONSTRUCTION STATUS							
Under management.....	201,736	413,558	465,231	478,153	498,367	1,074	490,393
Under construction.....	31,507	21,059	23,886	36,360	47,937	-----	47,937
Not yet under construction.....	68,903	55,127	96,005	78,773	77,790	-----	77,790
PROGRAM							
Public Law 171.....	101,657	270,335	374,304	385,924	416,832	-----	416,832
Public Law 412.....	118,649	117,049	116,979	114,170	114,191	-----	114,191
Public Law 671.....	50,504	49,356	47,410	46,843	46,820	209	46,011
Public Works Administration.....	21,640	21,360	21,063	21,063	21,067	1,182	19,885
Farm labor camps.....	9,006	9,037	583	583	583	583	24,601
Public Law 475.....	-----	22,607	24,783	24,703	24,601	-----	24,601

¹ Excludes units which have been sold to mutual housing associations, limited dividend corporations (PWA), and homestead associations on which PHA has mortgages for collection.Source: Housing and Home Finance Agency, Public Housing Administration; *Annual Report*.

No. 1075. CONTRACT AND GROSS MONTHLY RENT OF RENTER-OCCUPIED NONFARM HOUSING UNITS: 1940 TO 1960

[In thousands. Beginning 1960, includes Alaska and Hawaii. Contract monthly rent is the rent at the time of enumeration, as contracted for by the renter, regardless of whether it includes furniture, heating fuel, electricity, cooking fuel, water, or other services sometimes supplied. Gross monthly rent is contract monthly rent plus the reported average monthly cost of utilities (electricity, gas, water) and other fuels (such as coal, oil, kerosene, and wood) if these items were paid for by the renter in addition to contract monthly rent. In 1940 and 1950, if furniture was included in the contract rent, the reported estimated rent of the housing unit without furniture was used for the computation rather than the contract rent.]

ITEM	1940		1950		1960	
	Number	Percent	Number	Percent	Number	Percent
	16,335		17,304		19,294	
Total housing units						
CONTRACT MONTHLY RENT						
Number reporting	16,178	100.0	15,503	100.0	17,908	100.0
Less than \$20	7,320	45.2	2,803	18.1	936	5.2
\$20 to \$29	3,853	23.8	3,047	19.7	1,465	8.2
\$30 to \$39	2,526	15.6	3,178	20.5	2,000	11.2
\$40 to \$49	1,300	8.0	2,577	16.6		
\$50 to \$59	670	3.5	1,603	10.3	5,052	28.2
\$60 to \$69					4,441	24.8
\$70 to \$79					2,134	11.9
\$80 to \$89					1,879	10.5
\$90 to \$99						
\$100 or more	118	0.7	363	2.3		
Median rent	\$22		\$36		\$58	
No cash rent	(2)	(2)	1,257		1,386	
Not reported	157		543		(3)	(3)
GROSS MONTHLY RENT						
Number reporting	15,144	100.0	15,190	100.0	17,908	100.0
Less than \$20	4,753	31.4	1,374	9.0	320	1.8
\$20 to \$29	3,006	23.8	2,176	14.3	738	4.1
\$30 to \$39	3,029	20.0	3,123	20.6	1,221	6.8
\$40 to \$49	1,967	13.0	3,105	20.4	1,755	9.8
\$50 to \$59	925	6.1	2,302	15.2	2,245	12.5
\$60 to \$69					2,555	14.3
\$70 to \$79					2,350	13.1
\$80 to \$89					3,490	10.5
\$90 to \$99					1,093	0.5
\$100 to \$119					1,544	8.6
\$120 or more	123	0.8	420	2.8		
Median rent	\$27		\$42		\$71	
No cash rent	4,191		42,114		1,386	

¹ Includes units for which no cash rent was reported, distributed among the value classes on the basis of estimated monthly rental value for similar units in the neighborhood. ² Not applicable; see footnote 1.

³ During tabulation, an allocation procedure was used to assign entries for units not reporting rent.

⁴ Includes units not reporting rental amount.

Source: Department of Commerce, Bureau of the Census; Sixteenth Census Reports, 1940, *Housing*, Vol. III, and *U.S. Census of Housing: 1960*, Vol. I.

No. 1076. VALUE OF OWNER-OCCUPIED NONFARM HOUSING UNITS: 1950 AND 1960

[In thousands. Beginning 1960, includes Alaska and Hawaii. Data restricted to 1-housing-unit structures without business and with only 1 housing unit in property. Value represents the amount which the owner-occupant estimated that the property, including the structure and its land, would sell for under ordinary conditions and not at forced sale. For definition of median, see headnote, table 18]

VALUE CLASS	1950		VALUE CLASS ¹	1960	
	Number	Percent		Number	Percent
	15,878			26,172	
Total housing units					
Number reporting	14,074	100.0	Owner occupied	26,172	100.0
Less than \$4,000	3,117	20.8	Less than \$5,000	3,182	12.2
\$4,000 to \$5,999	2,392	16.0	\$5,000 to \$7,499	3,201	12.2
\$6,000 to \$9,999	4,731	31.6	\$7,500 to \$9,999	3,546	13.5
\$10,000 to \$14,999	2,995	20.0	\$10,000 to \$12,499	4,098	15.6
\$15,000 to \$19,999	1,008	6.7	\$12,500 to \$14,999	3,538	13.5
\$20,000 or more	731	4.9	\$15,000 to \$17,499	2,841	10.9
Median value	\$7,400		\$17,500 to \$19,999	1,882	7.2
Not reported	905		\$20,000 to \$24,999	1,900	7.3
			\$25,000 to \$34,999	1,227	4.7
			\$35,000 or more	762	2.0
			Median value	\$11,900	

¹ 1960 data collected on basis of intervals rounded to nearest \$100 (\$5,000 to \$7,400, \$7,500 to \$9,900, etc.).

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Housing: 1960*, Vol. I.

Construction and Housing

No. 1077. MARKET VALUE, MORTGAGE DEBT, AND INTEREST RATE OF MORTGAGED OWNER-OCCUPIED NONFARM PROPERTIES: 1890 TO 1960

[1960 includes Alaska and Hawaii. For definition of median, see headnote, table 18]

ITEM	ALL PROPERTIES		PROPERTIES WITH ONE DWELLING UNIT		
	1890	1920	1940	1950	1960
MARKET VALUE AND OUTSTANDING MORTGAGE DEBT					
Total number of properties.....	1,000	810	2,855	4,026	7,052
Number reporting value and debt.....	do.		2,736	3,745	7,027
Total value.....	\$1,000,000	2,632	14,090	10,490	165,014
Total debt.....	do.	1,047	6,000	8,634	28,566
Average value.....	dollars	3,250	4,038	4,403	9,210
Median value.....	do.				8,516
Average debt.....	do.	1,203	2,102	2,805	4,051
Ratio of debt to value, median.....					43
INTEREST RATE ON FIRST MORTGAGE LOAN (percent distribution)					
Total properties.....	100.0	100.0	100.0	100.0	100.0
Less than 4.0 percent.....				0.8	2.0
4.0 percent.....				1.8	24.5
4.1 to 4.4 percent.....	1.7		2.0	0.1	3.0
4.5 percent.....				17.3	20.1
4.6 to 4.9 percent.....				(?)	2.5
5.0 percent.....	11.0		8.3	19.8	22.4
5.1 to 5.9 percent.....	2.3		5.9	7.7	2.7
6.0 percent.....	44.3		58.1	44.6	24.3
6.1 to 6.9 percent.....		1.4	1.7	1.0	0.4
7.0 percent.....	11.5		12.1	4.2	1.0
7.1 to 7.9 percent.....	1.0		0.5	0.3	0.2
8.0 percent or more.....	26.8		11.3	2.5	1.3
Median interest rate.....	6.0		6.0	6.0	5.0

¹ Estimated from midpoints of distribution. ² Less than 0.05 percent.Source: Prior to 1960, Ratcliff, Rathbun, and Hornold, *Residential Finance, 1950*, John Wiley and Sons, New York, N.Y.; thereafter, Department of Commerce, Bureau of the Census, *U.S. Census of Housing: 1950*, Vol. IV, and *1960*, Vol. V.

No. 1078. MORTGAGE STATUS OF NONFARM OWNER-OCCUPIED DWELLING UNITS: 1890 TO 1960

[1960 includes Alaska and Hawaii and relate to 1- to 4-dwelling unit properties. For 1940 and 1950, mortgage statistics are for owner-occupied dwelling units in 1- to 4-dwelling unit structures without business. An owner-occupied dwelling unit was reported as mortgaged if property on which it was located had an indebtedness in form of a mortgage or deed of trust, or if occupants had contract to purchase property. For 1920 and earlier, mortgage data are for owner-occupied units in all types of structures. Although types of units for which mortgage data were reported are not the same for all censuses, differences are not large enough to invalidate comparisons. See also *Historical Statistics, Colonial Times to 1957*, series N 190-194.]

GENUS YEAR	Total owner-occupied dwelling units	Reporting mortgage status	MORTGAGED		Not mortgaged
			Number	Percent	
1890.....	2,923,671	2,923,671	809,933	27.7	2,113,738
1900.....	3,565,803	3,394,367	1,086,605	32.0	2,308,302
1910.....	5,245,380	5,109,016	1,701,062	33.3	3,408,554
1920.....	7,041,283	6,867,546	2,735,668	30.8	4,131,678
1930.....	10,549,972	(1)	(1)	(1)	(1)
1940.....	11,413,036	10,611,259	4,804,778	45.3	5,800,481
1950.....	19,801,648	17,795,844	7,825,116	44.0	9,970,728
Urban.....	14,376,594	13,295,133	6,429,743	48.4	6,865,390
Rural nonfarm.....	5,425,052	4,499,711	1,395,373	31.0	3,104,338
1960.....	27,862,320	27,362,320	15,816,132	56.8	12,046,197

¹ Not available.Source: Department of Commerce, Bureau of the Census; *U.S. Census of Housing: 1960*, Vol. I, and *1960*, Vol. V.

Mortgage Activity

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No. 1079. MORTGAGED OWNER-OCCUPIED NONFARM PROPERTIES—PERCENT DISTRIBUTION BY TYPE OF LOAN AND MARKET VALUE, AND DOWNPAYMENT AS PERCENT OF PURCHASE PRICE: 1950 AND 1960

[1960 includes Alaska and Hawaii. Covers owner-occupied single-family nonfarm mortgaged properties]

ITEM	TOTAL		FEDERAL HOUSING ADMINISTRATION		VETERANS ADMINISTRATION		CONVENTIONAL	
	1950	1960	1950	1960	1950	1960	1950	1960
Mortgaged properties.....	100	100	17	18	15	23	60	58
Outstanding debt.....	100	100	24	21	22	27	55	52
Market value.....	100	100	100	100	100	100	100	100
Less than \$6,000.....	26	4	{ 4	18	{ 18	32	32	30
\$6,000 to \$9,999.....	37	25	{ 46	18	{ 49	32	32	30
\$10,000 to \$14,999.....	25	31	38	42	27	40	21	24
\$15,000 to \$19,999.....	8	26	8	28	5	32	8	21
\$20,000 or more.....	5	19	3	12	1	8	6	25
Downpayment as percent of purchase price.....	100	100	100	100	100	100	100	100
0 percent.....	15	11	12	5	33	21	10	8
1 to 10 percent.....	12	21	18	28	22	34	6	10
11 to 20 percent.....	19	21	30	32	22	25	14	14
21 to 30 percent.....	16	16	20	17	12	10	17	19
31 to 40 percent.....	15	15	12	13	6	5	19	22
41 or more.....	23	16	8	5	5	5	34	27
Median.....	23	19	17	15	9	9	32	30

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Housing: 1950*, Vol. IV, and *1960*, Vol. V.

No. 1080. MORTGAGE DEBT OUTSTANDING, BY TYPE OF PROPERTY AND HOLDER: 1940 TO 1961

[In billions of dollars. As of December 31. Includes Alaska and Hawaii]

YEAR	ALL PROPERTIES			NONFARM				FARM		
	All holders	Financial institutions ¹	Other holders	All holders	1- to 4-family houses		Multi-family and commercial properties ²		All holders	Financial institutions ¹
					Total	Financial institutions ¹	Total	Financial institutions ¹		
1940.....	86.5	10.5	16.0	30.0	17.4	10.2	12.6	7.8	6.5	1.5
1945.....	35.5	21.0	14.5	30.8	18.6	12.2	12.2	7.4	4.8	1.3
1950.....	72.8	51.7	21.1	60.7	45.2	35.4	21.6	14.0	6.1	2.3
1952.....	91.4	66.0	24.5	84.2	58.5	46.8	25.7	17.2	7.3	2.8
1953.....	101.3	75.1	26.3	93.6	66.1	53.6	27.5	18.5	7.8	3.0
1954.....	113.7	85.7	28.0	105.4	75.7	62.5	29.7	19.9	8.3	3.3
1955.....	129.9	90.3	30.6	120.9	88.2	73.8	32.6	21.8	9.1	3.6
1956.....	144.5	111.2	33.3	134.6	99.0	83.4	35.6	23.9	9.9	3.9
1957.....	156.6	119.7	36.9	146.1	107.6	89.0	38.5	25.8	10.5	4.0
1958.....	171.9	131.5	40.5	160.7	117.7	98.5	43.0	28.8	11.3	4.2
1959.....	190.9	145.5	45.4	178.8	130.9	109.2	47.9	31.9	12.2	4.5
1960.....	206.2	157.0	48.0	193.1	141.3	117.9	51.8	35.0	13.1	4.7
1961 (proj.).....	224.3	172.5	51.8	210.0	163.4	120.1	56.6	38.4	14.2	5.0

¹ Comprises commercial banks (including nondeposit trust companies but not trust departments), mutual savings banks, life insurance companies, and savings and loan associations.

² Derived figures, which include negligible amount of farm loans held by savings associations.

Source: Board of Governors of the Federal Reserve System. Figures published currently in *Federal Reserve Bulletin*.

No. 1081. MORTGAGE ACTIVITY OF LIFE INSURANCE COMPANIES AND SAVINGS AND LOAN ASSOCIATIONS: 1940 TO 1961

[In millions of dollars. Includes Alaska and Hawaii. Savings and loan associations data also include Puerto Rico and Guam]

ITEM	1940	1945	1950	1955	1957	1958	1959	1960	1961
LIFE INSURANCE COMPANIES									
Loans acquired	976	4,894	6,623	5,230	5,277	5,970	6,080	6,722	
Nonfarm	4,532	6,108	4,823	4,839	5,472	5,022	5,169		
FHA insured	1,486	971	653	1,301	1,549	1,401	1,377		
VA guaranteed	938	1,839	831	195	201	291	223		
Other	2,108	3,298	3,339	3,343	3,722	3,930	4,569		
Farm	362	515	407	438	498	464	553		
Loans outstanding (end of year)	5,872	6,636	16,102	20,445	35,236	37,062	39,197	41,771	44,241
Nonfarm	5,073	5,860	14,775	27,172	32,652	34,395	36,353	38,789	41,070
FHA insured	668	1,394	4,573	6,395	6,751	7,443	8,273	9,032	9,664
VA guaranteed	2,026	6,074	7,721	7,433	7,086	8,091	8,901	9,552	
Other	4,405	4,466	8,176	14,703	18,180	19,619	20,994	22,836	24,864
Farm	899	776	1,827	2,278	2,584	2,667	2,844	2,982	3,171
SAVINGS AND LOAN ASSOCIATIONS									
Loans made ¹	1,200	1,913	5,237	11,255	10,180	12,182	15,151	14,304	17,364
New construction	399	181	1,707	3,984	3,484	4,050	5,201	4,678	5,031
Home purchase	426	1,388	2,246	5,155	4,891	5,172	6,613	6,132	7,207
Loans outstanding (end of year) ²	4,125	5,376	13,657	31,408	40,007	46,627	53,141	60,070	68,833
FHA insured			848	1,404	1,643	2,206	2,995	3,524	4,167
VA guaranteed			2,973	5,883	7,011	7,077	7,186	7,222	7,152
Conventional ²			9,336	24,121	31,353	30,344	42,060	40,324	57,514

¹ Includes loans for other purposes (for repair, additions and alterations, refinancing, etc.).

² Beginning 1958, includes shares pledged against mortgage loans.

Source: Board of Governors of the Federal Reserve System. Figures published currently in *Federal Reserve Bulletin*.

No. 1082. NONFARM MORTGAGES RECORDED—MORTGAGES OF \$20,000 OR LESS, BY TYPE OF MORTGAGEE: 1940 to 1961

[Numbers in thousands; money figures in millions of dollars, except averages. Excludes Alaska and Hawaii. Estimates based on recordings in 450 counties and similar political subdivisions, which contain over one-half of the 1- to 4-family nonfarm dwelling units. See also *Historical Statistics, Colonial Times to 1957*, series N 173-178]

MORTGAGEE	1940	1945	1950	1955	1957	1958	1959	1960	1961
NUMBER									
Total	1,456	1,639	3,032	3,913	3,246	3,441	3,782	3,472	3,529
Savings and loan associations	503	675	935	1,373	1,122	1,213	1,378	1,260	1,360
Insurance companies	68	47	227	191	134	126	126	105	90
Commercial banks	316	299	628	783	587	668	704	574	610
Mutual savings banks	45	52	165	210	153	165	171	149	162
Individuals	340	499	610	728	736	692	757	756	686
Miscellaneous mortgagees	184	167	406	631	514	577	647	628	631
AMOUNT									
Total	4,031	5,650	16,179	28,484	24,244	27,988	32,235	29,341	31,157
Average amount—dol.	2,760	3,448	5,335	7,279	7,469	7,959	8,522	8,451	8,829
Savings and loan associations	1,284	2,017	5,000	10,452	9,217	10,516	13,094	12,158	13,602
Insurance companies	334	260	1,618	1,932	1,472	1,460	1,523	1,318	1,189
Commercial banks	1,006	1,097	3,365	5,017	4,204	5,204	5,832	4,520	4,997
Mutual savings banks	170	217	1,064	1,858	1,429	1,640	1,780	1,557	1,741
Individuals	640	1,402	2,299	3,362	3,554	3,435	3,046	4,001	3,642
Miscellaneous mortgagees	598	600	2,774	5,265	4,307	5,133	6,000	5,787	5,950

Source: Federal Home Loan Bank Board.

Mortgage Activity

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NO. 1083. MORTGAGE LOANS ON ONE- TO FOUR-FAMILY NONFARM HOMES— ESTIMATED BALANCE OUTSTANDING, BY TYPE OF MORTGAGEE: 1945 to 1961

[In millions of dollars. Includes Alaska and Hawaii. Represents estimates on basis of recent surveys and more detailed analyses of mortgage holdings. See also *Historical Statistics, Colonial Times to 1957*, series N 161, for total]

MORTGAGEE	1945	1950	1954	1955	1956	1957	1958	1959	1960	1961 (proj.)
Total	18,591	45,170	75,677	88,250	99,037	107,617	117,636	130,854	141,288	153,488
Savings and loan associations	5,156	13,116	25,004	30,001	34,004	37,906	42,890	49,535	55,386	62,957
Life insurance companies	2,306	8,478	15,153	17,661	20,130	21,441	22,374	23,583	24,870	26,122
Mutual savings banks	1,894	4,312	9,002	11,100	12,990	14,110	15,640	16,887	18,360	20,022
Commercial banks	2,875	9,481	13,300	15,075	16,245	16,385	17,628	19,200	19,242	20,100
Home Owners' Loan Corporation	852	10								
Federal National Mortgage Association	7	1,833	2,328	2,443	2,868	3,777	3,580	4,953	5,536	5,413
Individuals and others	5,501	8,440	10,890	11,970	12,800	13,908	15,574	16,696	17,870	18,874

Source: Federal Home Loan Bank Board; *Savings and Home Financing Source Book*.

NO. 1084. RESIDENTIAL LOANS UNDERWRITTEN BY FHA AND VA: 1940 TO 1961

[In millions of dollars. Includes Alaska and Hawaii. FHA-insured loans represent gross amount of insurance written; VA-guaranteed loans, gross amount of loans closed. Figures do not take account of principal repayments on previously insured or guaranteed loans. For VA-guaranteed loans, amounts by type are derived from data on number and average amount of loans closed. See also *Historical Statistics, Colonial Times to 1957*, series N 179-185]

ITEM	1940	1945	1950	1955	1957	1958	1959	1960	1961
FHA-insured loans	991	665	4,343	3,807	3,715	6,349	7,694	6,293	6,546
Home mortgages:									
New properties	588	257	1,637	1,260	880	1,666	2,563	2,197	1,783
Existing properties	175	217	856	1,816	1,371	2,885	3,607	2,403	2,982
Project type mortgages	13	20	1,157	76	595	929	628	711	926
Property improvement loans ¹	216	171	694	646	869	868	997	982	855
VA-guaranteed loans ²		192	3,072	7,156	3,761	1,865	2,787	1,985	1,829
Home mortgages:									
New properties			1,865	4,582	2,800	1,311	2,051	1,554	1,170
Existing properties			1,202	2,564	868	549	730	423	656

¹ Not ordinarily secured by mortgages.

² Includes a small amount of alteration and repair loans, not shown separately; only such loans in amounts of more than \$1,000 need be secured.

Source: Board of Governors of the Federal Reserve System. Figures published currently in *Federal Reserve Bulletin*.

NO. 1085. PERCENT DISTRIBUTION OF HOME LOANS GUARANTEED BY VA, BY PURCHASE PRICE, MORTGAGE MATURITY, AND DOWNPAYMENT STATUS: 1955 TO 1961

[Includes data for all veterans, regardless of place of residence. Based on complete count of loans]

PURCHASE PRICE, MATURITY, AND DOWNPAYMENT STATUS	NEW HOMES				EXISTING HOMES			
	1955	1959	1960	1961	1955	1959	1960	1961
PURCHASE PRICE								
All price ranges	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$8,000	2.1	0.2	0.1	0.1	18.4	14.8	15.7	10.7
\$8,000 to \$9,000	15.0	3.8	1.8	1.9	20.3	15.6	17.1	14.6
\$10,000 to \$11,000	20.8	14.5	11.5	12.4	22.2	17.4	18.4	17.9
\$12,000 to \$14,000	38.4	44.2	39.1	36.6	23.7	24.9	25.4	28.0
\$15,000 to \$19,000	13.0	31.2	39.8	42.3	12.1	20.6	18.0	22.7
\$20,000 and over	1.7	6.1	7.7	6.7	3.8	6.7	5.4	6.1
Average purchase price	\$12,470	\$14,593	\$15,327	\$15,236	\$11,343	\$12,000	\$12,238	\$12,841
MORTGAGE MATURITY								
All maturities	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 25 years	5.3	1.7	1.4	1.0	50.5	43.4	43.0	27.3
25 years	32.7	5.1	3.9	2.8	37.6	30.8	31.3	29.2
26 to 30 years	62.0	93.2	94.7	96.2	11.9	25.8	25.7	43.5
DOWNPAYMENT STATUS								
All loans	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
With downpayments	46.3	34.3	30.2	24.1	80.3	77.1	66.5	54.4
With no downpayments	63.4	66.7	69.8	75.9	19.7	22.9	33.5	45.6

Source: Veterans Administration.

No. 1086. FINANCIAL CHARACTERISTICS OF HOME LOANS GUARANTEED BY VA, BY MONTHLY INCOME OF PURCHASERS: 1961

[Includes data for all veterans, regardless of place of residence. Based on a 10-percent sample of loan applications submitted to VA for prior approval during the first half of the year, and increased to a 20-percent sample the last half of the year. Prior approval laws constitute about 79 percent of the total. The remaining loans, made by supervised lenders on an automatic basis, do not contain data on income and liquid assets of the purchasers]

ITEM	All incomes	MONTHLY INCOME (AFTER TAXES)				
		Less than \$300	\$300 to \$399	\$400 to \$499	\$500 to \$699	\$700 and over
New and existing homes (averages):						
Liquid assets of purchaser	\$1,530	\$600	\$885	\$1,300	\$1,985	\$4,030
Purchase price	\$14,315	\$8,925	\$11,745	\$14,295	\$16,525	\$10,715
Loan	\$13,085	\$8,815	\$11,580	\$14,005	\$16,085	\$18,000
Downpayment	\$330	\$110	\$165	\$200	\$440	\$1,025
Percent of purchase price	2.3	1.2	1.4	2.0	2.7	5.2
Percent of liquid assets	21.6	18.3	18.6	22.3	22.2	22.1
Monthly income after taxes	\$471.50	\$274.95	\$358.35	\$446.00	\$570.05	\$842.50
Monthly housing expense ¹	\$131.35	\$89.35	\$109.55	\$130.75	\$180.15	\$177.80
Percent of income after taxes	27.9	32.5	30.8	29.3	26.3	21.1
Percent of loans	100.0	100.0	100.0	100.0	100.0	100.0
New homes	66.3	37.6	61.6	69.1	70.0	69.3
Existing homes	33.7	62.4	38.4	30.9	30.0	30.7

¹ Repayments of mortgage principal and interest with an additional allowance for taxes, insurance, heat, utilities, and maintenance.

Source: Veterans Administration.

No. 1087. ESTIMATED NONFARM REAL ESTATE FORECLOSURES: 1930 TO 1961

[Excludes Alaska and Hawaii. Based on data from approximately 1,700 counties, cities, townships, or other government divisions. Represents number of properties acquired through foreclosure proceedings. Excludes voluntary deeds of sale in lieu of foreclosure and defaults on real estate contracts. See also *Historical Statistics, Colonial Times to 1957*, series N 189.]

YEAR	Fore-closures	YEAR	Fore-closures	YEAR	Fore-closures
1930	150,000	1946	10,463	1954	26,211
1935	228,713	1947	10,559	1955	28,529
1940	75,556	1948	13,052	1956	30,903
1941	58,559	1949	17,635	1957	34,204
1942	41,997	1950	21,537	1958	42,367
1943	25,281	1951	18,141	1959	44,075
1944	17,153	1952	18,135	1960	51,353
1945	12,708	1953	21,473	1961	73,074

Source: Federal Home Loan Bank Board.

No. 1088. URBAN PLANNING ASSISTANCE PROGRAM—SUMMARY: 1954 TO 1961

[Includes Alaska, Hawaii, Puerto Rico, and Guam. Represents urban planning assistance (a) for cities, other municipalities, and counties with a population under 50,000 and for groups of adjacent communities, incorporated or unincorporated, with a total population of less than 50,000; (b) for cities, other municipalities, and counties in redevelopment areas designated under Section 5(a) of the Area Redevelopment Act; (c) for metropolitan and regional areas; (d) for cities, other municipalities, and counties which have suffered a major disaster; (e) for areas which are or expected to become Federally impacted; and (f) for State and interstate comprehensive planning. Metropolitan, regional, disaster, and Federally impacted areas are assisted by planning grants to either State planning agencies or metropolitan, regional, or other qualified planning agencies; all other assistance takes the form of planning grants to State planning agencies]

ITEM	Cumulative total	NET CHANGE						
		1954-1955 ¹	1956	1957	1958	1959	1960	1961
Total grants approved ²	\$1,000	22,285	475	1,235	2,693	2,203	2,056	4,738
Disbursed	do	12,465	50	419	1,479	1,867	2,196	3,083
Planning assistance for small areas:								
Projects approved		458	7	20	40	55	48	142
Different localities involved		1,922	75	165	292	324	156	452
Planning assistance for localities in redevelopment areas:								
Projects approved		26						26
Different localities involved		120						120
Planning for metropolitan, regional, disaster, and Federally impacted areas:								
Projects approved		203	8	14	27	21	52	47
Different areas involved		135	9	12	19	16	38	18
Statewide planning:								
Projects approved		25						12
Different States involved		16						10

¹ First approval under this program took place in November 1954.

² Represents the Federal contribution to defray the costs of urban planning authorized by the program.

Source: Housing and Home Finance Agency, Urban Renewal Administration; *Annual Report*, and records.

Urban Renewal Program

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No. 1089. URBAN RENEWAL PROGRAM—SUMMARY: 1949 TO 1961

[Money figures in thousands of dollars. Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands. Represents financial assistance to localities under Title I of the Housing Act of 1949, as amended. Primarily, planning advances, loans, and grants are made to local agencies by the Urban Renewal Administration for slum clearance and redevelopment projects, and conservation or rehabilitation projects]

ITEM	Cumulative total	NET CHANGE					
		1949-1955 ¹	1956	1957	1958	1959	1960
Grant authority reserved²	2,481,103	553,793	273,944	193,318	305,183	64,628	484,189
Urban renewal activities	2,472,182	553,666	273,019	192,610	304,878	64,475	480,958
Community renewal programs	5,235						2,604
Demonstration grants	3,086	127	925	708	305	153	572
URBAN RENEWAL PROJECTS							
Localities participating	520	218	40	41	73	25	65
Total projects	944	340	92	69	132	34	139
Completed	65		1	3	6	16	15
Active	879	340	91	56	126	18	124
Execution	518	110	22	57	92	84	79
Planning	361	230	69	-1	34	-66	45
Capital grants:							
Grants disbursed to projects	512,281	58,829	16,089	30,220	49,602	78,464	131,524
Grants disbursed to repay advances	4,550						3,441
Project loans: ³							
Contracts authorized (net)	1,024,433	184,906	52,064	217,844	349,707	359,653	370,579
Federal loans:							380,680
Disbursed	484,255	73,792	21,294	31,397	51,540	96,288	105,892
Outstanding	77,937	27,360	6,211	9,661	24,345	7,218	-10,122
Non-Federal "guaranteed" loans: ⁴							13,264
Gross amount	1,151,711	50,791	43,074	74,132	111,836	235,175	295,550
Outstanding	820,264	36,052	31,376	59,592	80,246	105,033	207,026
Planning advances: ⁵							
Contracts authorized (net)	80,296	10,985	9,820	6,024	9,901	5,375	15,389
Disbursed	62,531	12,433	3,920	5,171	7,934	8,220	10,959
Outstanding	23,569	7,931	1,641	2,420	2,174	2,040	1,202
COMMUNITY RENEWAL PROGRAMS							
Localities participating	41						7
Grants disbursed	1,177						235
DEMONSTRATION GRANTS							
Projects approved	42	6	12	6	3	1	6
Grants disbursed	2,139	21	202	398	387	431	348

¹ First approval under this program took place in March 1950.

² Represents the Federal Government's contribution (a) to the net costs of local slum clearance and urban renewal projects, preparation of community renewal programs, and demonstrations, (b) to reimburse local public agencies for certain costs of relocating displaced families, individuals, and business concerns, and (c) to repay planning advances not collected from terminated projects.

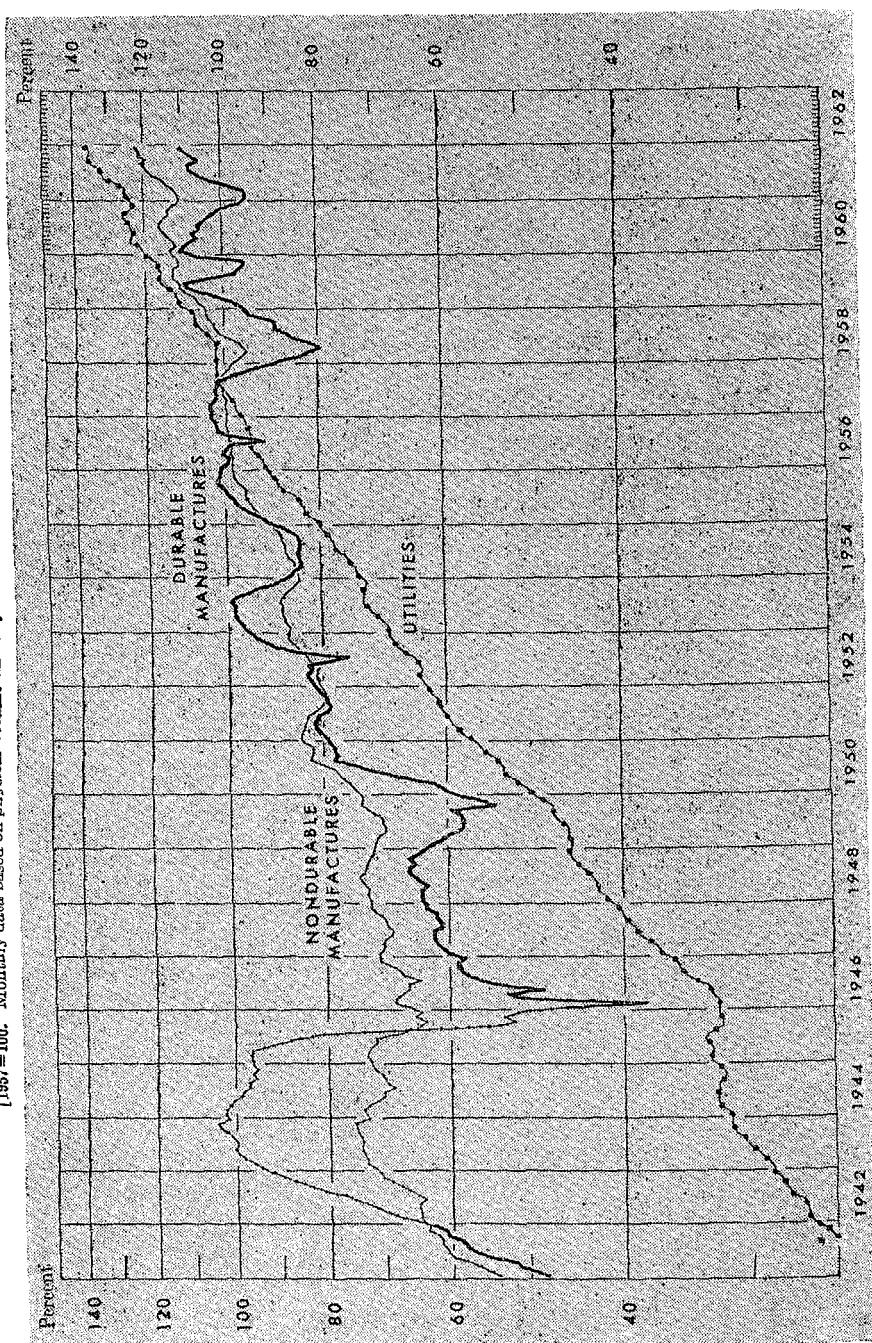
³ Represents Federal assistance to finance expenditures involved in the execution of slum clearance and urban renewal projects. Temporary loan contracts may be used by local public agencies to borrow funds for project expenditures from non-Federal sources.

⁴ Excludes amounts borrowed to refinance previous borrowings.

⁵ Represents Federal assistance for the conduct of surveys and preparation of project plans.

Source: Housing and Home Finance Agency, Urban Renewal Administration; *Annual Report*, and records.

FIG. XIII. INDUSTRIAL PRODUCTION INDEXES: 1941 TO 1962
 [1957 = 100. Monthly data based on physical volume and adjusted for seasonal variation. See table 1001.]



Source: Board of Governors of the Federal Reserve System.

Section 29

Manufactures

This section presents measures of the manufacturing segment of the economy and its component inputs and outputs. The input data include figures for establishments; employment and wages; raw materials, fuels, and energy consumed; plant and equipment expenditures; and water use. The output data include figures for value and quantity of production and shipments; and value added by manufacture. Both types of data are shown for manufacturing as a whole, for major product groups, and for specific selected products.

The principal sources of these data are the reports of the Census of Manufactures conducted periodically by the Bureau of the Census; the same agency's *Annual Survey of Manufactures*; and its *Current Industrial Reports* series which present monthly, quarterly, or annual data on production, shipments, and stocks for particular commodities. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin*. Reports on current activities of industries, or current movements of individual commodities, are also compiled by such government agencies as Bureau of Labor Statistics, Statistical Reporting Service of the Department of Agriculture, Business and Defense Services Administration, Fish and Wildlife Service, Tariff Commission, and Internal Revenue Service, and by private research or trade associations such as the American Iron and Steel Institute, the National Canners Association, and the National Association of Hosiery Manufacturers.

Data on financial operations and intercorporate relations of manufacturing corporations are collected from time to time by the Securities and Exchange Commission, the Tariff Commission, and the Federal Trade Commission. Financial statistics for certain manufacturing industries in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are summarized and published for the leading corporations that are registered with the Securities and Exchange Commission. The Tariff Commission publishes commodity surveys which cover economic and competitive aspects of production, distribution, and international trade in selected important industries. Each survey deals with several products which are related because of the raw materials consumed, or because of their competitive uses. The Federal Trade Commission has made several comprehensive studies of individual industries.

Censuses and annual surveys.—The first Census of Manufactures covered the year 1809. Thereafter, a census was taken at 10-year intervals to 1899, with the exception of 1829. It was conducted at 5-year intervals from 1904 through 1919 and at 2-year intervals from 1921 through 1939. It was suspended during the war period until the 1947 Census. A census covering the year 1954 was the first taken under present legislation which provides for a quinquennial Census of Manufactures. The most recent census covered the year 1958.

The *Annual Survey of Manufactures*, conducted for the first time in 1949, carries forward, for the intercensal years, measures of manufacturing activity covered in detail by the quinquennial Census of Manufactures. It provides statistics on employment, payrolls, value added by manufacture, inventories, and new capital expenditures for industry groups, important individual industries, geographic divisions, States, and large standard metropolitan statistical areas.

The most recent annual survey is based on a sample of about 60,000 of an approximate total of 300,000 manufacturing establishments. It comprises all large plants, which account for approximately two-thirds of total manufacturing employment in the United States, and a representative selection of the more numerous small plants. Government-owned and -operated establishments are excluded.

Establishments and classification.—The 1947, 1954, and 1958 Censuses of Manufactures covered operating manufacturing establishments as defined in the *Standard Industrial Classification Manual* issued by the Bureau of the Budget. Reports were required from all establishments employing one or more persons at any time during the census year. Each of the establishments tabulated was classified in one of the more than 400 manufacturing industries as defined by the Standard Industrial Classification system. This system defines an industry as a number of establishments producing a single product or a closely related group of products. An establishment is classified in a particular industry if its production of this product or product group exceeds in value its production of any other product group. In a few instances, the industry classification of an establishment is determined not only by its product group but also by the processes employed in making the products.

A revised edition of the *Standard Industrial Classification Manual*, which made extensive modifications in some of the industry groupings, was issued in 1957. Final reports of the 1958 Census of Manufactures present data tabulated on the basis of the new classifications and include 1954 Census data converted to the new SIC to effect comparability for the two years. Because of the revisions in the classification system, 1954 and 1958 Census data for some industries and industry groups are not comparable with figures for prior years.

While some establishments produce only the products of the industry in which they are classified, it rarely happens that all the establishments in an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect not only the primary activities of the establishments in that industry but also activities of a secondary nature. For this reason the industry statistics usually cannot be directly related to statistics on the total shipments of products primary to the industry.

The 1947, 1954, and 1958 Censuses were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It is not necessarily identical with the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

The basic statistical measures of manufacturing activity, such as employment, payrolls, value added, etc., are defined in essentially the same way for the annual surveys as for the census of manufactures. Consequently, these series may be considered to be comparable, except for the changes brought about by the 1957 revisions in the industry classification system noted above. However, beginning with 1949, average employment was calculated from the figures reported for the pay periods ending nearest the fifteenth of March, May, August, and November, whereas for 1947 such averages were based on 12 monthly employment figures. The 1954 figures are an average of reported employment totals for the four specified months, except for highly seasonal industries, where a 12-month average was obtained. For 1958, averages of production workers for the four specified months plus the March figure for "all other employees" were used for all industries. Further, 1947 figures exclude data for central administrative offices and auxiliary establishments of manufacturing concerns, which are included in the statistics for later years.

Alaska and Hawaii.—For a general statement concerning the treatment of data for Alaska and Hawaii, see preface. "Conterminous area" refers to the United States excluding Alaska, Hawaii, and outlying areas.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics, Colonial Times to 1957*, series P 1-8") provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

Technical Note—Annual Survey of Manufactures

The annual survey estimates vary from the totals that would have been obtained from a complete canvass of all manufacturing establishments. The relative magnitude of this sampling variation is given in the table column captioned "Standard error." The standard error should be interpreted to mean that the sample estimates will differ from complete canvass totals by less than: (1) The percentage shown in approximately 2 cases out of 3; (2) twice the percentage shown in approximately 19 cases out of 20; and (3) three times the percentage shown in almost every case. It should be noted that standard errors are shown only for selected items. The standard errors of other measures are usually of the same general magnitude.

In making any study of the trend, it is important to take account of the effect of the sampling variation on the apparent increase or decrease shown between years. In addition to sampling errors, individual figures may be subject to biases arising from undetected response or procedural errors which are not reflected in the "standard errors." Figures are normally withheld from publication in the original source volumes if (1) the standard error of the estimate exceeds 15 percent, or (2) survey estimates are inconsistent with other Census series and related data. Any estimate which can be derived by subtraction of one published figure from another may have a standard error considerably in excess of 15 percent.

No. 1090. MANUFACTURES—SUMMARY: 1947 TO 1960

[Excludes Alaska and Hawaii. Figures cover all establishments employing 1 or more persons at any time during year. Excludes hand and neighborhood industries. See also *Historical Statistics, Colonial Times to 1957*, series P 1-8.]

YEAR	Number of establishments	Number of proprietors and firm members	ALL EMPLOYEES ¹		PRODUCTION WORKERS			Value added, unadjusted ³
			Number (average for year) ²	Salaries and wages	Number (average for year)	Millions	Mil. dol.	
1947	240,807	1,000 180	1,000 14,294	Mil. dol. 39,696	1,000 11,018	Millions 24,316	30,244	74,290
1950 ⁴	260,000	(8)	14,770	47,893	11,779	23,717	34,800	89,750
1951 ⁴	202,000	(8)	15,638	56,284	12,509	25,264	40,655	102,086
1952 ⁴	267,000	(8)	16,061	61,141	12,706	25,618	43,761	109,162
1953 ⁴	285,000	(8)	17,003	68,500	13,501	27,066	48,070	121,659
1954 ⁴	286,817	198	16,126	65,977	12,373	24,341	44,595	117,032
1955 ⁴	233,047	(8)	16,819	72,126	12,957	25,009	40,230	135,023
1956 ⁴	(8)	(8)	17,177	77,048	13,134	26,099	52,054	144,909
1957 ⁴	(8)	(8)	17,105	79,354	12,842	25,218	52,583	147,838
1958	298,182	186	15,996	78,218	11,644	22,633	49,503	141,270
1959	(8)	(8)	16,655	85,574	12,200	24,492	54,650	160,902
1960	(8)	(8)	16,727	88,019	12,170	24,180	55,452	163,231

¹ Includes data for employees of manufacturing establishments engaged in distribution and construction work. Extent to which data for such employees were included in figures for earlier years is not known. Beginning 1950, includes administrative offices, and units auxiliary to manufacturing.

² Data for all industries in 1950-1953 and 1955-1957, and for most industries in 1954, are based on pay periods ending nearest 15th of Mar., May, Aug., and Nov. For 1947, and industries of a seasonal type in 1954, data represent average of 12 monthly figures.

³ Value of shipments less cost of materials, supplies, fuels, electric energy, and contract work. (Differs from adjusted value in that value added in merchandising is omitted.)

⁴ Estimates based on sample; see text, pp. 769-771.

⁵ Not available. ⁶ Value added, adjusted. See footnote 1, table 1093.

Source: Department of Commerce, Bureau of the Census; 1947, 1954, and 1958 Censuses of Manufactures reports and *Annual Survey of Manufactures*.

No. 1091. INDUSTRIAL PRODUCTION—INDEXES, BY INDUSTRY GROUPINGS: 1950 TO 1962

[1957=100. Quarterly data adjusted for seasonal variation. Based on 1957 Standard Industrial Classification.
See also *Historical Statistics, Colonial Times to 1957*, series P 11 and P 147-168, for indexes on 1947-49 base.]

YEAR AND QUARTER	Total	MANUFACTURING										Misc. manufactures	
		Total	Durable manufactures										
			Primary metals	Fabricated metal products	Machinery	Transportation equipment	Instruments and related products	Clay, glass, and stone products	Lumber and products	Furniture and fixtures			
1950	75	76	71	80	84	70	53	59	82	103	82	90	
1951	81	82	80	97	90	80	59	67	90	102	77	87	
1952	84	85	85	89	88	88	69	80	86	101	80	89	
1953	91	92	96	100	99	96	86	87	89	107	83	101	
1954	85	86	85	81	89	84	79	85	85	104	87	91	
1955	96	97	98	106	97	93	96	91	97	114	99	102	
1956	99	100	100	104	97	103	92	97	102	110	102	105	
1957	100	100	100	100	100	100	100	100	100	100	100	100	
1958	93	92	87	78	92	85	84	94	95	100	96	95	
1959	105	105	102	90	104	103	98	112	110	113	115	109	
1960	108	108	104	90	106	106	102	110	110	107	120	113	
First quarter	110	111	109	110	108	109	106	118	109	113	119	113	
Second quarter	109	110	106	93	107	108	103	119	112	112	128	115	
Third quarter	108	108	104	83	107	108	101	121	112	105	121	113	
Fourth quarter	105	104	98	74	102	102	97	118	106	97	116	110	
1961 (prel.)	109	109	103	88	105	106	97	118	108	105	120	114	
First quarter	102	102	95	72	96	101	88	114	101	100	111	107	
Second quarter	108	108	102	88	104	105	98	116	108	108	118	113	
Third quarter	112	112	107	97	108	109	100	121	113	109	122	116	
Fourth quarter	114	114	109	97	111	110	105	122	109	105	126	120	
1962:													
First quarter (prel.)	115	115	110	103	111	113	105	121	104	109	125	118	

YEAR AND QUARTER	MANUFACTURING—Continued										Min. total	Utilities, total	
	Nondurable manufactures												
	Total	Textile-mill products	Apparel products	Leather- and products	Paper and products	Printing and publishing	Chemicals and products	Petroleum products	Rubber and plastics products	Foods and beverages	Tobacco products		
1950	79	99	85	92	77	80	61	74	72	86	89	80	53
1951	82	98	84	86	81	81	69	83	73	88	95	87	90
1952	83	97	88	91	78	81	72	84	75	90	98	87	95
1953	87	99	90	92	84	85	78	90	81	91	96	89	71
1954	87	93	87	91	85	88	77	89	79	93	92	86	77
1955	95	102	95	99	90	93	89	95	98	97	94	95	85
1956	90	104	99	101	101	98	96	100	96	100	96	100	94
1957	100	100	100	100	100	100	100	100	100	100	100	100	100
1958	100	98	101	97	101	98	100	99	98	102	106	91	105
1959	110	113	120	106	111	105	114	105	114	106	112	95	115
1960	113	109	124	100	112	111	121	108	114	109	114	97	123
First quarter	112	111	123	106	113	109	119	103	117	108	112	97	122
Second quarter	115	113	127	102	113	111	123	109	118	109	115	97	123
Third quarter	114	110	125	101	112	112	123	113	114	109	113	97	125
Fourth quarter	112	101	121	98	110	113	120	108	108	110	116	98	123
1961 (prel.)	117	111	124	101	118	113	128	110	115	113	118	98	131
First quarter	111	102	116	96	112	111	119	106	100	110	115	97	125
Second quarter	116	109	121	101	117	111	120	110	115	112	118	97	130
Third quarter	119	116	127	101	121	114	132	113	122	114	115	98	134
Fourth quarter	121	118	130	106	123	115	134	112	126	115	122	101	135
1962:													
First quarter (prel.)	121	119	128	103	124	115	135	111	122	116	117	99	137

Source: Board of Governors of the Federal Reserve System; published currently in *Federal Reserve Bulletin*.

Industrial Production Indexes

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No. 1092. INDUSTRIAL PRODUCTION—INDEXES, BY MARKET GROUPINGS: 1950 TO 1962

[1957=100. Quarterly data adjusted for seasonal variation]

GROUPING	1950	1955	1958	1959	1960	1961	1962, April
Total index.....	75	90	93	105	108	109	117
Final products.....	74	95	95	107	111	112	119
Consumer goods.....	82	97	99	110	114	116	123
Equipment, including defense.....	54	91	87	100	103	104	112
Materials.....	75	97	91	104	106	106	115
CONSUMER GOODS							
AUTOMOTIVE PRODUCTS.....	86	113	83	103	117	106	124
Autos.....	92	124	71	90	117	97	119
Auto parts and allied products.....	78	95	100	113	117	121	131
Home goods and apparel.....	91	99	98	116	118	117	-----
Home goods.....	95	101	96	115	116	117	130
Appliances, TV, and radios.....	99	103	94	114	112	113	130
Appliances.....	92	99	99	119	118	118	132
TV and home radios.....	123	113	88	102	96	103	123
Furniture and rugs.....	91	100	98	119	118	119	131
Misc. home goods.....	93	99	97	113	117	119	130
Apparel, including knit goods and shoes.....	88	97	100	116	117	118	-----
Consumer staples.....	76	93	102	108	113	117	121
Processed foods.....	85	96	102	106	109	113	115
Beverages and tobacco.....	95	96	103	108	110	114	-----
Drugs, soap, and toiletries.....	65	85	102	111	118	123	128
Newspapers, magazines, and books.....	88	93	90	106	113	117	118
Consumer fuel and lighting.....	55	86	105	113	119	128	-----
Fuel oil and gasoline.....	69	93	98	104	106	108	111
Residential utilities.....	48	83	108	117	126	135	-----
Electricity.....	46	82	108	118	127	130	-----
Combined groups:							
Automotive and home goods.....	90	106	90	110	116	112	128
Apparel and staples.....	70	94	102	110	114	117	-----
EQUIPMENT							
Business equipment.....	65	87	85	100	105	105	114
Industrial.....	92	82	97	102	100	107	-----
Commercial.....	82	88	104	118	124	138	-----
Freight and passenger.....	65	89	98	101	99	106	-----
Farm.....	139	127	100	116	92	98	110
MATERIALS							
Durable goods materials.....	76	100	86	100	102	100	111
Consumer durable.....	86	116	77	101	109	100	120
Equipment.....	54	91	80	103	101	102	116
Construction.....	83	98	95	107	107	106	111
Metal materials, not elsewhere classified.....				89	92	91	104
Non-durable materials.....	74	94	97	107	110	114	119
Business supplies.....	75	95	98	108	110	113	116
Containers.....	81	97	101	109	109	115	117
General business supplies.....	72	95	97	107	111	111	115
Non-durable materials, not elsewhere classified.....	73	94	98	115	119	126	136
Business fuel and power.....	75	93	94	100	103	105	110
Mineral fuels.....	82	95	92	96	97	98	101
Nonresidential utilities.....	57	88	102	113	121	127	-----
Electricity.....	58	88	102	113	120	128	-----
General industrial.....	60	90	98	110	115	118	-----
Atomic energy.....	4	83	97	-----	-----	-----	-----
Commercial and other.....	59	87	105	118	127	139	-----
Gas.....	56	86	102	113	121	-----	-----

Source: Board of Governors of the Federal Reserve System; published currently in *Federal Reserve Bulletin*.

Manufactures

No. 1093. MANUFACTURERS—GENERAL STATISTICS

[Beginning 1958, includes Alaska and Hawaii. "N.e.c." means not elsewhere classified. Data based on new editions of the *Statistical*

INDUSTRY GROUP	1954			1958			
	Establishments, number	All employees, payroll	Value added by manufacture, adjusted	Establishments, number	All employees	Value added by manufacture, adjusted	
					Number	Payroll	
1 All manufacturing establishments, incl. administrative and auxiliary units.....	286,814	Mil. dol. 62,963	Mil. dol. 117,386	303,536	1,000 16,025	Mil. dol. 78,326	Mil. dol. 141,500
2 Operating manufacturing establishments only.....	(4)	(4)	(4)	299,036	15,421 1,718	73,854 7,621	141,500 17,685
3 Food and kindred products.....	42,373	6,200	13,767	41,983	5,546 312	7,621 1,467	17,685 2,502
4 Meat products.....	4,992	1,235	1,938	5,546	312	1,467	2,502
5 Dairy products.....	11,503	1,086	2,303	9,879	295	1,351	2,370
6 Canned and frozen foods.....	3,513	573	1,374	3,810	234	775	1,999
7 Grain-mill products.....	3,410	495	1,467	3,484	119	576	1,858
8 Bakery products.....	6,414	1,124	2,057	6,365	302	1,338	2,643
9 Sugar.....	137	118	265	170	33	162	383
10 Candy and related products.....	1,490	255	610	1,458	80	299	750
11 Beverages.....	5,942	913	2,468	5,597	207	1,044	2,843
12 Other food preparations.....	(4)	(4)	(4)	5,570	135	607	1,859
13 Tobacco products.....	627	260	1,004	504	84	295	1,413
14 Cigarettes.....	19	104	677	19	34	142	1,059
15 Cigars.....	410	80	168	283	29	82	183
16 Chewing and smoking tobacco.....	65	23	80	58	6	24	86
17 Tobacco stemming and redrying.....	133	43	70	144	15	47	86
18 Textile mill products.....	8,054	2,989	4,606	7,675	902	2,938	4,858
19 Weaving mills, cotton.....	582	783	1,135	496	243	724	1,079
20 Weaving mills, synthetics.....	478	273	409	401	82	277	469
21 Weaving, finishing mills, wool.....	399	230	330	469	56	206	337
22 Narrow fabric mills.....	513	79	124	488	25	86	143
23 Knitting mills.....	3,042	507	940	2,786	213	650	1,101
24 Textile finishing, exc. wool.....	725	292	462	708	73	293	466
25 Floor covering mills.....	(4)	(4)	(4)	282	34	123	260
26 Yarn and thread mills.....	(4)	(4)	(4)	787	107	307	514
27 Misc. textile goods.....	(4)	(4)	(4)	1,168	69	272	499
28 Apparel and related products.....	31,372	3,202	5,166	29,358	1,182	3,590	6,011
29 Men's and boys' suits and coats.....	1,310	375	527	1,365	122	408	643
30 Men's and boys' furnishings.....	3,901	639	1,006	3,135	273	694	1,138
31 Women's and misses' outerwear.....	10,298	1,046	1,696	9,781	361	1,157	1,918
32 Women's undergarments.....	1,843	285	510	1,645	111	322	506
33 Millinery, hats and caps.....	1,457	126	191	1,249	36	123	200
34 Children's outerwear.....	1,983	196	320	1,028	81	281	381
35 Fur goods.....	1,972	40	76	1,051	9	50	85
36 Misc. apparel.....	1,804	163	269	1,701	60	177	306
37 Fabricated textile, n.e.c.....	7,274	381	648	6,903	129	427	732
38 Lumber and wood products.....	41,484	1,934	3,242	37,878	552	1,991	3,183
39 Logging camps and contractors.....	12,965	211	393	12,805	72	228	390
40 Sawmills and planing mills.....	20,487	962	1,610	16,550	278	860	1,344
41 Millwork and related products.....	(4)	(4)	(4)	4,125	135	572	926
42 Wooden containers.....	1,513	138	215	1,278	40	122	184
43 Misc. wood products.....	(4)	(4)	(4)	3,031	57	199	340
44 Furniture and fixtures.....	10,273	1,197	1,998	10,179	348	1,391	2,354
45 Household furniture.....	6,470	819	1,336	6,520	252	944	1,583
46 Office furniture.....	241	85	157	301	23	110	212
47 Public building furniture.....	292	63	90	390	16	69	113
48 Partitions and fixtures.....	1,026	143	236	1,848	88	187	301
49 Furniture and fixtures, n.e.c.....	(4)	(4)	(4)	1,120	19	81	144
50 Paper and allied products.....	5,004	2,205	4,630	5,271	555	2,780	5,707
51 Pulp mills.....	(4)	(4)	(4)	50	14	75	106
52 Paper mills, exc. building.....	(4)	975	2,305	354	131	741	1,542
53 Paperboard mills.....	(4)	(4)	(4)	252	57	322	840
54 Paper and board products.....	(4)	(4)	(4)	2,245	151	705	1,413
55 Paperboard containers and boxes.....	(4)	(4)	(4)	2,180	181	838	1,502
56 Building paper and board mills.....	(4)	(4)	(4)	181	21	103	215

For footnotes, see pp. 773 and 779.

Industry Groups

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FOR INDUSTRY GROUPS: 1954 TO 1960

Standard Industrial Classification (1957) and therefore not comparable with figures shown in the 1960 and earlier Abstract; see text, p. 770]

1959			1960								Capital expendi- turies, new ³	
All employees		Value added by man- ufacture, adjusted ¹	All employees		Production workers			Value added by man- ufacture, adjusted ¹	Mil. dol. 163,231	Mil. dol. 9,968		
Number ²	Payroll		Number ²	Payroll	Number ²	Man- hours	Wages					
1,000	Mil. dal. 85,620	Mil. dal. 160,992	1,000	Mil. dal. 88,019	1,000	Mil. dal. 24,136	Mil. dal. 55,452	163,231	9,968	1	1	
16,059	81,148	160,992	16,124	83,547	12,179	24,136	55,452	163,231	9,968	2		
1,716	7,902	18,737	1,713	8,269	1,147	2,336	4,834	19,661	1,021	3		
313	1,522	2,627	307	1,561	246	407	1,130	2,663	119	4		
289	1,370	3,041	287	1,404	134	276	596	3,165	184	5		
234	807	2,082	237	852	205	308	648	2,346	117	6		
119	592	2,017	117	690	81	178	384	1,977	129	7		
305	1,405	2,770	306	1,469	178	369	763	2,902	116	8		
33	168	400	32	173	26	53	135	461	44	9		
78	300	783	70	323	63	124	223	832	30	10		
209	1,100	3,071	211	1,130	116	237	573	3,198	180	11		
134	629	1,963	137	658	97	198	381	2,115	101	12		
84	311	1,480	83	319	73	142	258	1,545	47	13		
36	160	1,090	36	166	32	61	137	1,130	32	14		
28	81	200	20	79	24	45	67	197	4	15		
6	25	98	6	25	5	9	18	98	2	16		
(6)	(6)	(6)	14	49	12	26	36	119	8	17		
929	3,247	5,614	902	3,216	809	1,604	2,628	5,613	325	18		
243	804	1,225	239	816	223	463	726	1,312	83	19		
83	305	525	80	301	72	151	253	563	39	20		
58	220	421	57	219	50	99	175	375	15	21		
28	100	181	20	97	22	46	73	169	7	22		
226	713	1,237	220	711	107	368	568	1,220	65	23		
74	310	514	72	307	61	126	235	517	32	24		
36	138	336	35	134	30	59	101	324	15	25		
110	348	601	105	335	97	187	284	578	45	26		
71	301	574	69	297	57	115	214	566	25	27		
1,239	3,831	6,661	1,223	3,828	1,076	1,921	2,980	6,682	141	28		
129	458	719	130	470	113	208	409	732	8	29		
280	743	1,247	277	743	252	448	607	1,242	15	30		
376	1,204	2,100	365	1,176	318	550	893	2,170	19	31		
119	340	624	117	330	104	181	251	594	8	32		
41	133	220	38	125	33	61	99	214	2	33		
85	246	396	83	289	73	130	185	884	(6)	34		
66	196	332	65	192	56	100	142	321	4	36		
135	455	840	130	480	119	228	351	889	23	37		
619	2,214	3,769	596	2,152	526	1,020	1,765	3,458	317	38		
70	250	442	73	243	67	120	221	459	72	39		
293	986	1,080	281	988	252	493	803	1,496	168	40		
148	656	1,002	141	617	120	236	473	934	49	41		
40	125	193	33	124	34	67	99	194	(6)	42		
62	216	392	62	226	53	103	170	394	20	43		
368	1,521	2,611	365	1,530	304	620	1,124	2,619	76	44		
270	1,052	1,707	261	1,034	225	458	776	1,742	48	45		
24	118	244	25	125	20	41	93	264	10	46		
16	70	102	18	78	14	27	54	126	6	47		
38	198	313	39	208	31	65	145	347	9	48		
19	85	154	19	85	14	28	57	151	3	49		
574	3,025	6,418	580	3,120	465	975	2,266	6,569	616	50		
14	87	225	14	90	12	24	66	201	31	51		
135	790	1,830	137	820	113	298	630	1,877	225	52		
58	346	907	58	354	47	105	271	940	112	53		
157	769	1,597	150	808	126	251	547	1,680	104	54		
188	919	1,634	191	944	151	311	663	1,660	121	55		
22	114	255	21	110	18	37	88	240	22	56		

No. 1098. MANUFACTURES—GENERAL STATISTICS

INDUSTRY GROUP	1954			1958		
	Establishments, number	All em- ployees, payroll	Value added by manu- facture, adjusted	Establish- ments, number	All employees	Value added by manu- facture, adjusted
					Number ^a	Pay- roll
		Mil. dol.	Mil. dol.		Mil. dol.	Mil. dol.
1	Printing and publishing	32,530	3,619	6,403	35,456	866
2	Newspapers	8,645	1,257	2,138	8,279	296
3	Periodicals	2,045	313	806	2,323	66
4	Books	1,412	245	552	1,694	60
5	Misc. publishing	946	73	151	1,105	20
6	Commercial printing	(^b)	(^b)	(^b)	17,310	288
7	Manifold business forms	(^b)	(^b)	(^b)	704	24
8	Greeting cards	204	70	135	282	22
9	Bookbinding and related work	(^b)	(^b)	(^b)	1,406	40
10	Printing trades services	2,205	236	327	2,328	42
11	Chemicals and allied products	11,074	3,377	9,547	11,309	699
12	Basic chemicals	1,474	1,201	3,233	1,608	238
13	Fibers, plastics, rubbers	273	608	1,427	407	122
14	Drugs	1,371	426	1,365	1,359	96
15	Cleaning and toilet goods	(^b)	(^b)	(^b)	2,654	70
16	Paints and varnishes	(^b)	(^b)	(^b)	1,709	59
17	Gum and wood chemicals	(^b)	(^b)	(^b)	190	7
18	Agricultural chemicals	(^b)	(^b)	(^b)	1,305	30
19	Other chemical products	(^b)	(^b)	(^b)	1,987	60
20	Petroleum and coal products	1,262	953	2,241	1,608	179
21	Petroleum refining	409	816	1,918	446	146
22	Paving and roofing materials	523	88	208	772	23
23	Petroleum and coal products, n.e.c.	330	49	115	300	10
24	Rubber and plastics products, n.e.c.	3,845	1,410	2,553	4,462	348
25	Tires and inner tubes	49	442	878	123	89
26	Rubber footwear	22	64	107	27	20
27	Reclaimed rubber	20	13	23	16	2
28	Fabricated rubber products, n.e.c.	1,315	541	946	1,074	120
29	Plastics products, n.e.c.	2,430	350	598	3,222	116
30	Leather and leather products	4,845	1,027	1,641	4,549	349
31	Leather tanning and finishing	579	168	260	578	37
32	Industrial leather belting	136	19	35	104	-
33	Footwear, cut stock	503	57	87	513	18
34	Footwear, except rubber	1,360	619	988	1,279	227
35	Leather gloves	239	16	23	179	6
36	Luggage	497	52	91	428	16
37	Purses and small leather goods	1,139	105	164	1,020	36
38	Leather goods, n.e.c.	(^b)	(^b)	(^b)	433	5
39	Stone, clay, and glass products	(^b)	(^b)	(^b)	15,055	555
40	Flat glass	32	133	247	32	21
41	Pressed and blown glassware	372	355	679	240	92
42	Products of purchased glass	(^b)	88	193	1,031	24
43	Cement, hydraulic	162	108	626	175	110
44	Structural clay products	1,053	267	428	1,018	41
45	Pottery and related products	867	174	268	755	70
46	Concrete and plaster products	(^b)	(^b)	(^b)	9,171	44
47	Cut stone and stone products	977	78	121	1,001	20
48	Nonmetallic minerals, n.e.c.	(^b)	(^b)	(^b)	1,609	91
49	Primary metal industries	6,171	5,330	9,899	6,446	1,096
50	Steel rolling and finishing	(^b)	(^b)	(^b)	712	578
51	Iron and steel foundries	1,734	806	1,327	1,648	182
52	Primary nonferrous metals	103	240	568	112	47
53	Secondary nonferrous metals	354	69	145	387	14
54	Nonferrous rolling and drawing	(^b)	(^b)	(^b)	711	76
55	Nonferrous foundries	1,920	328	472	1,965	62
56	Primary metal industries, n.e.c.	(^b)	(^b)	(^b)	911	52

For footnotes, see pp. 778 and 779.

Industry Groups

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FOR INDUSTRY GROUPS: 1954 TO 1960—Continued

1959		1960							
All employees		Value added by manufacture, adjusted ¹	All employees		Production workers			Value added by manufacture, adjusted ¹	Capital expenditures, new ²
Number ²	Payroll		Number ²	Payroll	Number ²	Man-hours	Wages		
1,000	Mil. dol.	Mil. dol.	1,000	Mil. dol.	1,000	Mil. lions	Mil. dol.	Mil. dol.	Mil. dol.
886	4,811	8,707	908	5,064	560	1,082	2,934	9,262	407
301	1,601	2,776	307	1,674	180	300	883	2,925	128
67	413	1,111	67	441	12	22	63	1,164	(6)
71	373	980	76	408	39	81	192	1,142	33
20	105	176	21	118	9	16	42	192	(6)
204	1,618	2,504	302	1,708	237	405	1,251	2,642	146
25	128	273	25	132	18	35	87	280	(6)
23	99	194	23	102	14	28	53	197	8
43	184	293	44	191	38	71	140	308	(6)
43	280	399	43	206	32	63	223	405	10
719	4,234	14,227	722	4,421	468	941	2,464	14,380	1,257
238	1,538	5,018	240	1,614	161	327	978	5,101	662
128	753	2,305	130	789	93	186	495	2,256	284
100	594	2,274	102	624	57	111	203	2,349	114
(6)	(6)	(6)	83	408	50	100	229	2,229	50
61	349	916	60	350	34	67	163	907	26
7	31	94	7	32	6	12	23	100	9
(6)	(6)	(6)	48	187	30	61	113	529	57
50	343	885	67	347	38	77	195	908	55
171	1,128	2,894	168	1,127	121	245	755	3,201	489
137	944	2,458	135	936	97	192	635	2,720	459
23	125	292	23	126	17	36	88	321	25
10	59	144	11	66	7	16	35	161	5
379	1,968	3,793	378	1,998	296	590	1,400	3,773	297
95	596	1,313	92	590	72	140	480	1,272	133
22	96	162	22	98	10	37	77	162	5
2	14	25	2	15	2	4	11	20	3
131	678	1,199	128	670	96	193	440	1,162	52
130	684	1,004	134	628	106	216	424	1,148	105
363	1,246	2,121	358	1,227	317	582	972	2,044	34
37	174	338	35	164	30	58	120	279	6
20	68	117	20	60	18	33	54	113	(6)
232	758	1,251	223	743	205	370	604	1,221	16
7	18	28	7	19	6	10	15	28	(6)
17	58	102	18	61	15	29	45	108	36
39	125	205	39	127	34	63	94	209	(6)
6	19	34	5	19	4	10	14	34	(6)
597	2,951	6,480	589	2,983	475	969	2,188	6,348	538
27	181	401	23	163	20	41	140	345	36
96	471	980	100	510	86	172	413	1,013	79
29	135	311	27	125	22	43	95	295	(6)
41	227	800	30	224	33	66	177	741	113
76	332	569	76	332	65	120	256	552	37
48	205	338	45	202	38	73	157	318	12
158	706	1,734	159	781	119	268	510	1,749	163
20	81	132	23	95	19	38	75	143	3
103	554	1,221	98	546	73	140	358	1,102	81
1,148	7,082	13,635	1,178	7,231	959	1,842	5,438	13,314	1,549
579	3,867	7,800	620	4,050	504	940	3,084	7,086	1,188
204	1,080	1,681	196	1,041	160	310	821	1,578	84
45	206	702	40	308	40	82	232	927	52
16	89	167	15	88	12	26	55	158	10
176	1,027	2,073	171	1,000	131	270	699	1,868	164
71	376	575	70	377	58	117	282	569	37
56	347	546	57	358	45	89	263	530	24

Manufactures

No. 1093. MANUFACTURES—GENERAL STATISTICS

INDUSTRY GROUP	1954			1958		
	Estab- lish- ments, number	All em- ployees, payroll	Value added by manu- facture, adjusted ¹	Estab- lish- ments, number	All employees	Value added by manu- facture, adjusted ¹
					Number ²	
1 Fabricated metal products						
2 Metal cans	22,042	4,605	8,021	24,782	1,059	5,416
3 Cutlery, hand tools, hardware	227	245	500	222	54	304
4 Plumbing and nonelectric heating	1,930	600	1,041	2,094	136	657
5 Structural metal products	(4)	(4)	(4)	980	72	357
6 Screw machine products and bolts	7,421	1,281	2,235	9,409	341	1,807
7 Metal stampings	2,252	398	605	2,317	85	441
8 Metal services, n.e.c.	2,320	505	958	2,456	126	646
9 Fabricated wire prod., n.e.c.	3,233	183	285	3,649	52	224
10 Fabricated metal prod., n.e.c.	1,275	244	413	1,463	55	261
11 Machinery exc. electrical	(4)	(4)	(4)	29,867	1,348	7,305
12 Engines and turbines	141	400	651	140	96	552
13 Farm machinery and equipment	(4)	(4)	(4)	1,469	109	551
14 Construction and like equipment	(4)	(4)	(4)	2,048	200	1,073
15 Metalworking machinery	(4)	(4)	(4)	7,930	284	1,380
16 Special industry machinery	2,900	755	1,224	3,174	102	854
17 General industrial machinery	(4)	(4)	(4)	3,325	211	1,143
18 Office machines, n.e.c.	(4)	(4)	(4)	346	122	667
19 Service industry machines	(4)	(4)	(4)	1,256	100	509
20 Machine shops	6,832	442	737	10,171	116	575
21 Electrical machinery	(4)	(4)	(4)	8,091	1,122	5,606
22 Electric distribution products	(4)	(4)	(4)	1,069	134	724
23 Electrical industrial apparatus	(4)	(4)	(4)	1,061	156	819
24 Household appliances	(4)	(4)	(4)	651	143	732
25 Lighting and wiring devices	(4)	(4)	(4)	1,819	123	504
26 Radio, TV, receiving equipment	(4)	(4)	(4)	328	74	326
27 Communication equipment	(4)	(4)	(4)	607	215	1,204
28 Electronic components	(4)	(4)	(4)	1,087	198	854
29 Electrical products, n.e.c.	893	365	644	869	78	333
30 Transportation equipment						
31 Motor vehicles and equipment	5,349	8,300	13,782	6,625	1,558	9,165
32 Aircraft and parts	2,195	3,412	6,208	2,283	577	3,318
33 Ships and boats	1,404	4,049	6,438	1,569	765	4,720
34 Railroad equipment	1,500	662	757	1,070	145	774
35 Motorcycles, bicycles, and parts	86	244	328	92	40	222
36 Transportation equipment, n.e.c.	46	28	40	51	8	33
37 Instruments and related products	3,141	1,200	2,131	3,526	297	1,578
38 Scientific instruments	(4)	(4)	(4)	567	67	390
39 Mechanical measuring devices	614	303	543	710	76	387
40 Optical instruments and lenses	204	38	55	224	7	38
41 Medical instruments and supplies	(4)	(4)	(4)	1,070	42	195
42 Ophthalmic goods	238	65	107	246	18	71
43 Photographic equipment	419	308	506	480	60	369
44 Watches and clocks	209	119	201	229	26	110
45 Misc. manufacturing industries ²	14,588	2,357	3,909	14,306	572	2,848
46 Jewelry and silverware	2,101	183	302	2,086	42	186
47 Musical instruments and parts	242	61	94	274	17	82
48 Toys and sporting goods	2,461	266	408	2,607	99	362
49 Office supplies	832	109	201	921	29	124
50 Costume jewelry and notions	2,364	200	318	2,205	56	194
51 Misc. manufactures	6,572	1,494	2,422	6,180	328	1,901
52 Administrative and auxiliary ³	(4)	2,940	—	4,500	603	4,471

¹ Value of shipments less cost of materials, supplies, fuels, electric energy, and contract work plus net change in finished goods and work-in-process inventory and value added in merchandising activities of manufacturing establishments.

² "All employees" represent the average of "production workers" plus all other employees for the payroll period ended nearest the 15th of March.

³ Excludes expenditures for plants under construction and not yet in operation.

⁴ Comparable data not available.

FOR INDUSTRY GROUPS: 1954 TO 1960—Continued

		1959				1960			
All employees		Value added by manufacture, adjusted ¹		All employees		Production workers		Value added by manufacture, adjusted ¹	
Number ²	Payroll	Mil. dol.	Mil. dol.	Number ²	Payroll	Number ²	Mans. hours	Wages	Mil. dol.
1,000				1,000		Mil. lions			
1,089	5,808	10,445	1,085	5,881	835	1,698	4,036	10,285	478
54	332	668	53	332	46	95	273	660	65
139	716	1,406	140	736	108	218	506	1,409	51
74	389	779	71	375	53	104	250	763	21
330	1,786	2,936	328	1,826	239	494	1,176	2,929	121
93	508	937	96	520	75	140	360	915	47
136	730	1,246	135	731	103	226	522	1,225	56
62	269	463	63	283	54	106	222	485	25
61	300	535	61	307	49	99	218	519	29
140	765	1,404	138	767	102	204	506	1,369	63
1,411	8,185	14,545	1,424	8,466	1,012	2,042	5,388	14,378	694
94	584	1,126	85	581	69	113	334	1,000	41
113	618	1,172	99	540	71	142	356	941	55
219	1,278	2,405	220	1,200	147	295	783	2,162	113
244	1,530	2,490	257	1,661	194	404	1,141	2,688	112
166	933	1,584	175	1,015	122	256	636	1,762	67
222	1,302	2,369	223	1,335	164	308	813	2,286	117
119	696	1,182	136	658	91	181	497	1,295	90
103	559	1,101	102	563	71	142	339	1,093	40
131	676	1,166	126	673	102	201	490	1,151	59
1,250	6,563	12,534	1,340	7,245	950	1,905	4,374	13,069	620
144	807	1,585	147	843	104	208	507	1,580	65
168	942	1,746	173	981	122	238	593	1,755	76
152	800	1,738	162	823	117	226	563	1,671	60
138	654	1,419	139	667	108	213	448	1,434	53
82	375	819	80	378	63	122	249	794	25
240	1,454	2,321	289	1,851	173	368	966	2,814	159
240	1,084	1,996	274	1,242	105	304	730	2,114	153
86	447	908	88	450	68	136	310	906	20
1,009	10,254	17,682	1,588	10,367	1,156	2,379	6,829	17,978	734
637	4,102	9,229	695	4,505	571	1,186	3,492	10,119	481
753	4,964	6,605	680	4,653	410	850	2,428	6,099	178
145	795	1,129	135	786	113	224	611	1,022	40
33	234	451	42	203	32	62	184	474	12
9	39	67	8	37	7	13	27	61	3
27	120	200	28	122	24	44	87	202	(t)
320	1,845	3,531	334	1,976	221	443	1,086	3,763	163
82	524	826	83	550	51	106	287	884	34
81	440	848	88	493	57	115	274	908	40
9	51	82	8	51	6	12	31	70	4
44	235	491	46	255	32	63	133	541	10
19	70	146	21	84	17	34	63	153	6
58	377	877	61	414	58	75	216	959	57
29	140	201	26	130	20	39	82	239	(t)
587	3,019	5,079	588	3,123	405	800	1,727	5,273	164
42	199	362	42	203	33	67	138	374	7
20	97	169	22	105	17	33	72	149	(t)
103	886	757	105	401	87	165	275	848	31
30	131	259	30	136	22	44	90	268	9
56	198	357	53	194	44	84	135	366	11
336	2,000	3,184	336	2,083	203	408	1,027	3,280	102
603	4,471	—	603	4,471	—	—	—	—	52

¹ Value of production. The formula for computing adjusted value added by manufacture was modified to exclude any change in finished products inventories between beginning and end of year.

² Withheld because estimate did not meet publication standards.

³ Includes privately owned and/or operated establishments classified in "Ordnance and accessories."

^a Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing establishments of a company, rather than the general public. Separate reports were obtained from such units if at a different location or if they serviced more than one establishment.

Source: Department of Commerce, Bureau of the Census; U.S. Census of Manufactures: 1958, Vol. III, and 1960 Annual Survey of Manufactures.

Manufactures

No. 1094. MANUFACTURES—GENERAL

[U.S. totals differ slightly from those shown in

DIVISION AND STATE	1954			1958			
	Establishments	Payroll	Value added by manufacture, adjusted ¹	Establishments	All employees ²	Production workers ³	
					Number ³		
1 United States ⁵	286,817	Mil. dol. 65,936	Mil. dol. 116,905	299,036	1,000 16,025	Mil. dol. 78,326	1,000 11,666
2 New England	24,625	5,455	9,129	24,588	1,399	6,294	1,049
3 Maine	3,015	325	565	2,733	98	377	34
4 New Hampshire	1,609	247	409	1,446	80	298	66
5 Vermont	1,071	124	223	1,016	32	132	25
6 Massachusetts	11,205	2,876	4,356	11,409	680	3,069	499
7 Rhode Island	2,035	492	607	2,736	114	452	61
8 Connecticut	5,090	1,750	2,877	5,248	394	1,965	285
9 Middle Atlantic	82,380	17,884	30,403	81,569	4,110	20,450	2,902
10 New York	50,402	8,468	14,141	48,523	1,914	9,617	1,303
11 New Jersey	13,183	3,507	6,332	14,009	795	4,008	564
12 Pennsylvania	18,795	5,910	9,930	19,037	1,401	6,766	1,034
13 East North Central	58,946	20,893	36,491	60,808	4,260	22,980	3,028
14 Ohio	14,550	5,818	10,154	14,931	1,201	6,517	856
15 Indiana	6,355	2,533	4,632	6,555	551	2,874	407
16 Illinois	17,628	5,421	9,664	18,100	1,188	6,216	836
17 Michigan	12,711	5,252	8,707	13,420	880	5,164	609
18 Wisconsin	7,702	1,809	3,334	7,793	430	2,208	320
19 West North Central	19,020	3,853	7,114	20,124	963	4,608	685
20 Minnesota	5,027	865	1,595	5,317	220	1,089	160
21 Iowa	3,320	648	1,236	3,567	166	812	121
22 Missouri	6,198	1,497	2,727	6,437	380	1,770	271
23 North Dakota	367	10	35	405	6	26	4
24 South Dakota	546	41	78	575	13	55	10
25 Nebraska	1,423	223	394	1,536	59	265	43
26 Kansas	2,139	560	1,049	2,287	119	501	87
27 South Atlantic	30,530	5,698	10,658	33,079	1,889	7,279	1,499
28 Delaware	555	267	363	547	58	349	30
29 Maryland	3,253	1,002	1,889	3,435	239	1,255	190
30 District of Columbia	484	92	167	307	21	114	11
31 Virginia	4,308	777	1,629	4,414	258	986	204
32 West Virginia	2,027	495	988	1,899	118	580	90
33 North Carolina	6,645	1,186	2,210	7,280	402	1,490	392
34 South Carolina	2,720	635	1,041	2,888	226	732	194
35 Georgia	5,655	854	1,592	5,798	314	1,077	201
36 Florida	4,792	389	798	6,304	172	600	125
37 East South Central	12,854	2,367	4,702	13,641	783	3,102	627
38 Kentucky	2,651	553	1,236	2,850	162	721	125
39 Tennessee	4,058	883	1,679	4,450	283	1,106	221
40 Alabama	3,893	690	1,319	3,927	230	920	189
41 Mississippi	2,252	239	468	2,414	109	355	92
42 West South Central	16,469	2,789	5,722	18,400	797	3,660	581
43 Arkansas	2,428	222	467	2,571	89	283	74
44 Louisiana	3,020	534	1,182	3,125	137	621	104
45 Oklahoma	2,131	364	581	2,366	93	458	60
46 Texas	8,890	1,669	3,502	10,338	478	2,283	343
47 Mountain	6,655	763	1,501	7,561	229	1,151	168
48 Montana	868	72	141	925	20	95	16
49 Idaho	981	94	179	1,050	28	128	22
50 Wyoming	323	27	51	329	7	34	5
51 Colorado	2,060	255	472	2,212	73	406	55
52 New Mexico	593	33	60	665	14	50	10
53 Arizona	817	111	192	1,160	41	216	30
54 Utah	852	121	276	980	38	186	27
55 Nevada	177	25	63	206	5	27	4
56 Pacific ⁴	85,308	6,224	11,185	39,266	1,594	8,801	1,128
57 Washington	4,929	854	1,549	5,065	215	1,173	157
58 Oregon	5,870	567	1,037	5,025	134	649	110
59 California	24,509	4,807	8,507	28,322	1,217	6,871	839
60 Alaska	(?)	(?)	(?)	245	5	20	4
61 Hawaii	(?)	(?)	(?)	609	24	82	18

¹ See footnote 1, table 1093.² Includes employment and payroll at administrative offices and auxiliary units.³ "Production workers" represents the average of the employment for the payroll periods ended nearest the 15th of March, May, August, and November. "All employees" represents the average of "Production workers" plus all other employees for the payroll period ended nearest the 15th of March.⁴ Excludes expenditures for plants under construction and not yet in operation.

Manufactures by States

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STATISTICS, BY STATES: 1954 TO 1959

tables 1090, 1093, and 1101 because of revisions in State figures]

1958—Continued		1959							
Value added by manufacture, adjusted ¹	Capital expenditures, new ⁴	All employees ²		Production workers			Value added by manufacture, adjusted ¹	Capital expenditures, new ⁴	
		Number ³	Payroll	Number ³	Man-hours	Wages			
Mil. dol. 141,487	Mil. dol. 9,096	1,000 16,671	Mil. dol. 85,746	1,000 12,238	Millions 24,368	Mil. dol. 54,679	Mil. dol. 161,220	Mil. dol. 8,762	1
10,439	526	1,469	6,967	1,106	2,209	4,530	12,130	535	2
638	44	100	306	86	173	301	686	40	3
491	24	87	342	72	142	255	573	26	4
236	12	35	152	27	55	104	272	17	5
5,130	222	717	3,388	524	1,036	2,108	5,902	254	6
754	30	122	506	98	194	354	900	30	7
3,189	195	408	2,185	299	609	1,409	3,803	170	8
34,839	1,908	4,202	21,769	2,995	5,831	13,152	38,520	1,859	9
15,892	677	1,908	10,105	1,350	2,020	5,740	17,523	710	10
7,409	432	813	4,368	585	1,159	2,727	8,354	443	11
11,448	798	1,421	7,207	1,061	2,051	4,684	12,644	706	12
40,938	2,608	4,472	25,749	3,240	6,582	16,744	48,159	2,462	13
11,473	785	1,208	7,376	919	1,847	4,836	13,851	679	14
5,478	490	580	3,227	438	887	2,215	6,333	387	15
11,684	697	1,221	6,739	873	1,757	4,263	12,860	669	16
8,364	444	934	5,861	664	1,388	3,789	10,535	527	17
3,980	192	469	2,495	346	704	1,600	4,571	201	18
8,870	515	992	4,999	715	1,422	3,176	9,940	517	19
2,050	109	225	1,165	155	306	695	2,342	109	20
1,684	100	180	924	134	270	621	1,944	115	21
3,251	165	391	1,018	282	553	1,189	3,696	170	22
63	9	6	27	4	9	17	59	3	23
114	5	13	63	10	20	44	132	(6)	24
536	60	61	289	44	90	190	570	36	25
1,171	78	116	614	86	174	419	1,197	76	26
14,292	989	1,963	7,971	1,566	3,125	5,485	16,529	1,030	27
420	27	58	360	31	62	137	517	25	28
2,379	121	257	1,302	189	370	885	2,641	119	29
198	15	22	126	118	23	57	220	(6)	30
2,123	142	266	1,068	214	424	755	2,382	119	31
1,215	107	121	632	95	184	457	1,456	112	32
3,083	169	490	1,676	417	826	1,260	3,577	245	33
1,360	75	237	815	204	418	634	1,000	84	34
2,102	152	324	1,200	270	541	805	2,457	155	35
1,411	121	187	791	135	278	486	1,660	152	36
6,402	474	820	3,856	656	1,296	2,364	7,145	482	37
1,782	109	173	806	133	265	548	2,063	101	38
2,207	143	304	1,220	241	472	828	2,613	164	39
1,771	164	232	964	189	375	708	1,860	151	40
642	58	111	366	94	184	279	703	67	41
7,791	862	812	3,862	594	1,206	2,453	8,689	695	42
592	48	98	336	83	185	256	719	54	43
1,430	164	135	647	104	212	440	1,507	133	44
726	62	93	470	60	121	256	775	82	45
5,046	588	486	2,409	347	708	1,501	5,629	426	46
2,251	171	243	1,281	177	353	849	2,473	178	47
167	22	20	94	16	29	71	219	16	48
255	18	28	137	23	48	103	280	24	49
63	7	7	36	5	10	23	72	4	50
782	40	85	463	59	120	296	858	45	51
115	15	14	64	9	20	40	119	22	52
300	23	45	249	34	68	170	402	33	53
412	30	39	200	28	53	127	457	29	54
68	5	5	29	4	8	20	67	6	55
15,666	1,045	1,697	9,792	1,189	2,344	5,945	17,685	1,002	56
2,167	160	229	1,283	162	313	809	2,343	103	57
1,222	121	144	720	120	230	559	1,442	105	58
12,048	742	1,294	7,062	884	1,757	4,495	13,589	717	59
65	3	4	26	4	7	20	63	(6)	60
165	17	26	93	19	36	62	197	(6)	61

^a Beginning 1958, includes Alaska and Hawaii.

^b Withheld because estimate did not meet publication standards.

^c Not available.

Manufactures

No. 1095. MANUFACTURES—SELECTED COSTS AND ASSET VALUES, BY MAJOR INDUSTRY GROUPS: 1957

[In millions of dollars. Excludes Alaska and Hawaii. Based on sample and subject to sampling variation; see text, pp. 769-771.]

MAJOR INDUSTRY GROUP	Payrolls, total, 1	EMPLOYER PAYMENTS FOR—				EXPENDITURES FOR MAINTENANCE AND REPAIRS ON STRUCTURES, GROUNDS, AND EQUIPMENT			DEPRECIABLE OR DEPLETABLE ASSETS		
		Legally required employee insurance plans—		Other pay- ments, 2	Total	Salaries and wages paid to own em- ployees	Insur- ance premi- ums 3	Rental pay- ments	Prop- erty taxes	Gross book value, Dec. 31, 1957	Depreciation and depletion Accumu- lated to Dec. 31, 1956, 4
		Total	Old-age and sur- vivors			Work- men's compen- sation					
All industries ⁵	76,379	5,974	1,335	762	501	3,376	9,011	4,472	667	1,450	110,489
Food and kindred products	7,143	521	128	68	62	263	777	357	421	114	157
Tobacco manufactures	284	29	6	4	1	18	24	11	13	5	170
Textile mill products	3,183	138	63	45	19	354	148	206	27	51	10
Apparel and related products	3,664	210	67	57	16	70	93	43	56	38	38
Lumber and wood products	2,110	117	37	25	27	29	292	111	181	114	27
Furniture and fixtures	1,432	90	26	16	12	36	69	32	36	50	19
Pulp, paper, and products	2,734	202	49	23	22	108	514	239	275	28	41
Printing and publishing	4,301	233	67	27	16	123	172	78	94	33	121
Chemicals and products	4,090	375	67	30	26	263	909	459	451	54	74
Petroleum and coal products	1,150	147	18	6	7	117	501	263	238	21	48
Rubber products	1,310	121	23	18	8	81	149	78	71	7	17
Leather and leather goods	1,157	74	22	18	8	26	55	23	32	9	32
Stone, clay, and glass products	2,354	174	42	22	21	90	391	174	216	23	27
Primary metal industries	7,019	630	119	55	44	470	2,000	1,064	936	34	58
Fabricated metal products	6,388	419	95	56	51	218	450	234	216	50	104
Machinery, except electrical	9,050	716	157	78	59	421	624	326	298	59	137
Electrical machinery	5,153	420	92	57	24	247	360	186	174	27	85
Transportation equipment	10,486	927	182	117	53	576	986	563	423	47	130
Instruments and related products	1,571	119	26	14	7	72	97	54	44	9	26
Miscellaneous manufactures (including ordnance)	2,826	194	49	34	18	93	188	96	92	25	73
										31	1,987
										145	815

¹ Excludes cost of supplementary employee benefits.² Includes private pension plans; life, health, and accident insurance; stock purchase plans; supplemental unemployment compensation plans; and deferred profit sharing plans. Excludes cost of in-plant medical services; cost of free parking lots; discounts on employee purchases; cost of uniforms and other work clothing supplied to employees; and similar expenditures.³ Comprises all types of insurance on structures, equipment, inventories, liability, window breakage, etc. Excludes insurance protection for employees and charges for company operated self-insurance funds.⁴ Not value of assets owned by precisely derived from the value and depreciation data appearing here because some of the accumulated depreciation through the end of 1956 may have been against assets which were sold, discontinued, retired, etc., before the end of 1957 and, therefore, not included in the gross assets figure.⁵ Operating manufacturing establishments only; data not available for central administrative offices and auxiliaries which service manufacturing establishments.

Source: Department of Commerce, Bureau of the Census; U.S. Census of Manufactures, 1953, Vol. I.

Manufactures for SMSA's

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No. 1096. MANUFACTURES—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1954 AND 1958

[For definition of standard metropolitan statistical area, see table 10, p. 18]

STANDARD METROPOLITAN STATISTICAL AREA	1954					1958				
	Establishments, number	All employees ¹		Value added by manufacture, adjusted ²	Capital expenditures, new	Establishments, number	All employees ¹		Value added by manufacture, adjusted ²	Capital expenditures, new
		Number	Pay-roll				Number	Pay-roll		
Akron (Ohio) area-----	660	1,000	400	Mil. dol.	Mil. dol.	698	1,000	476	Mil. dol.	Mil. dol.
Albany-Schenectady-Troy (N.Y.) area-----	802	85	388	635	34	744	72	301	641	57
Allentown-Bethlehem-Easton (Pa.) area-----	1,007	94	364	503	43	1,005	94	430	684	45
Atlanta (Ga.) area-----	1,164	82	300	561	25	1,317	84	390	712	53
Baltimore (Md.) area-----	2,015	196	800	1,576	76	2,112	198	1,011	1,984	84
Blnghampton (N.Y.) area-----	289	42	165	289	15	302	40	194	243	12
Birmingham (Ala.) area-----	605	61	254	482	32	650	63	336	587	43
Boston (Mass.) area-----	(3)	(3)	(3)	(3)	(3)	5,885	303	1,463	2,438	99
Bridgeport (Conn.) area-----	(3)	(3)	(3)	(3)	(3)	784	65	332	571	26
Buffalo (N.Y.) area-----	1,820	203	947	1,678	130	1,820	173	979	1,716	100
Canton (Ohio) area-----	456	57	249	440	19	460	51	270	500	27
Chattanooga (Tenn.) area-----	410	43	145	277	33	428	41	166	337	12
Chicago (Ill.) area-----	13,220	890	3,828	6,979	328	13,508	886	4,501	8,296	464
Cincinnati (Ohio) area-----	1,814	154	690	1,317	73	1,776	151	809	1,485	104
Cleveland (Ohio) area-----	3,744	301	1,444	2,401	218	3,809	265	1,513	2,511	142
Columbus (Ohio) area-----	702	74	319	581	35	835	72	376	628	48
Dallas (Tex.) area-----	1,482	80	319	532	22	1,756	96	461	845	45
Dayton (Ohio) area-----	897	107	510	818	52	930	97	547	908	41
Denver (Colo.) area-----	1,140	43	175	320	19	1,286	54	236	503	31
Detroit (Mich.) area-----	6,159	590	3,118	4,713	481	6,408	488	2,972	4,312	214
Erie (Pa.) area-----	422	41	173	286	14	428	35	179	308	25
Flint (Mich.) area-----	286	75	388	714	149	278	58	348	570	20
Fort Worth (Tex.) area-----	637	50	216	373	17	784	57	294	523	20
Gary-Hammond-East Chicago (Ind.) area-----	414	102	488	981	102	444	100	614	1,282	251
Grand Rapids (Mich.)-----	776	52	245	464	28	841	44	284	410	15
Greensboro-High Point (N.C.) area-----	509	39	112	169	8	577	42	144	315	12
Hartford (Conn.) area-----	(3)	(3)	(3)	(3)	(3)	905	87	464	717	82
Houston (Tex.) area-----	1,401	79	372	869	87	1,760	98	516	1,184	161
Indianapolis (Ind.) area-----	1,102	108	469	845	48	1,101	96	533	955	65
Jersey City (N.J.) area-----	2,363	137	591	1,119	42	2,400	124	619	1,225	50
Kansas City (Mo.) area-----	1,513	118	512	1,010	40	1,625	102	521	1,067	60
Lancaster (Pa.) area-----	612	44	158	280	16	632	44	101	368	16
Los Angeles-Long Beach (Calif.) area-----	14,424	649	2,993	5,055	306	16,910	729	4,149	7,045	310
Louisville (Ky.) area-----	814	89	376	845	91	872	87	435	1,161	50
Memphis (Tenn.) area-----	632	42	155	336	32	708	41	176	394	33
Milwaukee (Wis.) area-----	2,222	189	871	1,494	71	2,298	185	1,021	1,723	78
Minneapolis-St. Paul (Minn.) area-----	2,280	143	628	1,117	49	2,433	145	761	1,397	50
Newark (N.J.) area-----	4,255	256	1,139	1,965	128	4,425	246	1,290	2,203	122
New Haven (Conn.) area-----	(3)	(3)	(3)	(3)	(3)	722	42	205	331	18
New Orleans (La.) area-----	856	54	195	375	65	901	46	204	407	26
New York (N.Y.) area-----	41,012	1,203	5,038	8,133	183	39,396	1,183	5,860	9,389	306
Paterson-Clifton-Passaic (N.J.) area-----	2,956	157	674	1,163	40	3,332	150	708	1,465	60
Pearl (Ill.) area-----	313	41	185	362	21	321	37	196	488	22
Philadelphia (Pa.) area-----	8,070	564	2,401	4,024	276	8,124	538	2,744	4,820	306
Pittsburgh (Pa.) area-----	2,381	332	1,558	2,482	164	2,470	304	1,784	2,622	203
Portland (Oreg.) area-----	1,787	67	244	475	27	1,758	58	296	608	32
Providence (R.I.) area-----	(3)	(3)	(3)	(3)	(3)	2,913	127	508	860	33
Reading (Pa.) area-----	669	49	169	294	17	697	48	193	342	16
Richmond (Va.) area-----	475	38	138	344	21	402	42	102	451	22
Rochester (N.Y.) area-----	970	115	529	920	59	1,015	104	580	1,073	54
St. Louis (Mo.) area-----	3,161	267	1,145	2,088	134	3,150	287	1,337	2,383	153
San Diego (Calif.) area-----	595	48	225	390	8	755	71	448	808	28
San Francisco-Oakland (Calif.) area-----	4,106	186	881	1,674	115	4,433	191	1,085	2,071	157
San Jose (Calif.) area-----	567	28	119	264	20	773	54	340	632	37
Seattle (Wash.) area-----	1,741	88	305	600	56	1,903	115	660	1,065	57
South Bend (Ind.) area-----	330	44	202	320	8	332	35	195	343	13

See footnotes at end of table.

No. 1096. MANUFACTURES—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1954 AND 1958—Continued

STANDARD METROPOLITAN STATISTICAL AREA	1954				1958				
	Establishments, number	All employees ¹		Value added by manufacture, adjusted ²	Capital expenditures, new	Establishments, number	All employees ¹		Value added by manufacture, adjusted ²
		Number	Pay-roll				Number	Pay-roll	
Springfield-Holyoke (Mass.) area.....	1,000	Mil. dol.	Mil. dol.	Mil. dol.	962	71	Mil. dol.	Mil. dol.	25
Syracuse (N.Y.) area.....	(3)	(3)	(3)	(3)	30	70	367	602	25
Toledo (Ohio) area.....	766	70	206	554	30	700	70	360	680
Utica-Rome (N.Y.) area.....	710	63	308	516	30	742	58	338	570
Waterbury (Conn.) area.....	503	43	169	328	10	473	41	195	345
Wichita (Kans.) area.....	301	43	184	308	16	417	37	190	208
Wilmette (Ill.) area.....	430	53	238	333	6	446	53	280	452
Wilmington (Del.) area.....	344	53	288	387	25	369	57	372	455
Worcester (Mass.) area.....	(3)	(3)	(3)	(3)	(3)	792	51	241	376
York (Pa.) area.....	624	45	162	283	18	608	41	168	324
Youngstown (Ohio) area.....	578	87	304	686	42	563	76	427	729
STANDARD CONSOLIDATED AREAS									
Chicago (Ill)-Northwestern (Ind.) area.....	13,643	902	4,546	7,060	430	13,952	956	5,204	9,578
New York-Northeastern N.J. area.....	51,403	1,835	7,805	13,116	444	50,413	1,794	9,006	15,268

¹ Includes central administrative offices or auxiliary units which serve the manufacturing establishments of a company, rather than the general public. Separate reports were obtained from such units if they were at a different location or served more than 1 establishment.

² See footnote 1, table 1093.

³ Not available on comparable basis with 1958 data.

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Manufactures: 1958*, Vol. III.

No. 1097. VALUE OF MANUFACTURERS' INVENTORIES, BY MAJOR INDUSTRY GROUPS: 1959

[In millions of dollars. As of end of year. Includes Alaska and Hawaii. Data based on new Standard Industrial Classification (1957) and therefore not comparable with figures shown in the 1960 and earlier editions of the *Statistical Abstract*; see text, p. 770]

MAJOR INDUSTRY GROUP	Total	Finished products	Work in process	Materials, supplies, fuels, etc.
All industries.....	51,957	17,291	15,694	18,972
Food and kindred products.....	5,588	3,166	320	2,098
Tobacco products.....	1,519	546	24	949
Textile mill products.....	2,176	805	580	791
Apparel and related products.....	1,754	758	338	658
Lumber and wood products.....	1,312	563	288	461
Furniture and fixtures.....	717	207	163	348
Paper and allied products.....	1,522	459	166	890
Printing and publishing.....	1,216	335	268	613
Chemicals and allied products.....	3,239	1,527	458	1,256
Petroleum and coal products.....	1,746	979	390	387
Rubber and plastics products, not elsewhere classified.....	1,029	537	155	337
Leather and leather products.....	588	212	147	227
Stone, clay, and glass products.....	1,362	676	169	516
Primary metal industries.....	5,392	1,264	1,636	2,403
Fabricated metal products.....	3,024	994	1,087	1,548
Machinery, except electrical.....	5,953	1,799	2,518	1,636
Electrical machinery.....	3,905	1,085	1,649	1,170
Transportation equipment.....	6,720	722	4,192	1,806
Instruments and related products.....	1,004	255	560	271
Miscellaneous manufactures ¹	1,502	401	579	522

¹ Includes privately owned and/or operated establishments classified in "Ordnance and accessories."

Source: Department of Commerce, Bureau of the Census; *1959 Annual Survey of Manufactures*.

Large Manufacturing Companies

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No. 1098. PERCENT OF TOTAL EMPLOYMENT IN LARGE MANUFACTURING COMPANIES, SELECTED INDUSTRIES: 1954 AND 1958

[Excludes Alaska and Hawaii. First 30 industries as determined by 1958 employment. Average total employment for establishments has been summarized into company totals in each manufacturing industry. See also headnote, table 1099.]

In- du- stry code	INDUSTRY AND YEAR	Number of com- panies	Employ- ment ¹ (1,000)	PERCENT OF TOTAL EM- PLOYMENT ACCOUNTED FOR BY—			Primary product specializa- tion ratio ²	Cover- age ratio ³
				4 largest com- panies	8 largest com- panies	20 largest com- panies		
3717	Motor vehicles and parts.....	991	649	69	75	84	(4)	(4)
	1958.....	989	531	70	74	85	(4)	(4)
3312	Blast furnaces and steel mills.....	1064	(6)	554	54	60	(6)	(6)
	1958.....	148	513	52	68	84	(6)	(6)
3721	Aircraft.....	1954	(6)	458	(6)	(6)	(6)	(6)
	1958.....	7,113	377	58	82	90	.84	.94
3601	Radios and related products.....	1954	1,612	294	20	20	(4)	(4)
	1958.....	1,707	305	20	29	41	(4)	(4)
2711	Newspapers.....	1954	8,445	282	14	19	.95	1.00
	1958.....	7,947	294	15	20	20	.96	1.00
2421	Sawmills and planing mills.....	1954	16,504	321	5	7	.97	.81
	1958.....	16,731	268	6	9	14	.96	(4)
2051	Bread and related products.....	1954	5,470	246	18	28	.98	.99
	1958.....	5,306	257	19	29	37	.98	.99
2233	Cotton broad-woven fabrics.....	1954	413	296	18	28	.94	.84
	1958.....	321	242	23	37	57	.94	.82
3141	Footwear, except rubber.....	1954	970	219	26	32	.99	.99
	1958.....	871	215	24	31	39	.99	.99
2027	Fluid milk.....	1954	(6)	191	19	24	(6)	(6)
	1958.....	5,008	208	20	26	32	.90	.96
2011	Meat packing plants.....	1954	2,228	220	44	56	.98	.87
	1958.....	2,646	301	36	49	60	.98	.88
2751	Commercial printing.....	1954	11,970	200	10	14	.85	.86
	1958.....	13,023	198	10	15	22	.86	.84
2612	Paper and paperboard mills ⁴	1958.....	375	188	21	33	.99	.99+
3729	Aircraft equipment, n.e.c.....	1954	1,054	181	21	31	.86	.66
	1958.....	1,097	162	26	39	54	.90	.68
3722	Aircraft engines.....	1954	202	167	51	75	.98	.91
	1958.....	180	159	48	69	89	.94	.93
2011	Petroleum refining.....	1954	253	153	39	61	.99	.98
	1958.....	285	146	36	59	81	.98	.98
2671	Paperboard boxes.....	1954	1,433	133	13	20	.96	.98
	1958.....	1,447	141	14	23	37	.95	.98
2333	Dresses, unit price.....	1954	4,072	143	2	3	.96	.95
	1958.....	3,606	136	2	3	6	(6)	(6)
3441	Structural and ornamental work.....	1954	2,829	116	16	20	.89	.88
	1958.....	3,311	133	15	18	26	.88	.89
2511	Wood furniture, not upholstered.....	1954	2,731	125	7	12	.94	.93
	1958.....	2,742	125	8	13	22	.94	.94
2033	Canned fruits and vegetables.....	1954	1,461	120	40	29	.90	.94
	1958.....	1,347	123	21	29	41	.90	.95
3500	Machine shops.....	1954	6,705	104	8	12	.88	.86
	1958.....	10,482	123	5	10	17	(6)	(6)
2311	Men's and boy's suits and coats.....	1954	1,255	119	11	18	.91	.90
	1958.....	1,275	122	11	18	31	.91	.97
3009	Rubber industries, n.e.c.....	1954	1,152	133	(6)	(6)	.88	.78
	1958.....	1,032	122	23	38	46	.86	.81
3731	Shipbuilding and repairing.....	1954	328	109	42	57	.92	.99
	1958.....	293	120	45	64	79	.93	.99
3403	Metal stampings.....	1954	2,215	128	12	18	.82	.83
	1958.....	2,326	110	11	17	27	.85	.85
3071	Plastics products, n.e.c.....	1954	2,377	92	7	13	.90	.84
	1958.....	3,094	113	5	10	18	.92	.85
3321	Gray-iron foundries ¹⁰	1954	1,321	134	19	25	.94	.87
	1958.....	1,199	112	16	23	34	.95	.87
3585	Refrigeration machinery.....	1954	661	128	33	47	.65	(6)
	1958.....	607	112	31	47	64	(4)	(4)
2321	Men's dress shirts and nightwear.....	1954	838	108	14	22	.90	.86
	1958.....	737	104	14	22	36	.88	.80

¹ For 1954, data represent average of all employees for payroll period ending nearest 15th of March, May, August, and November except that, for several industries, the total of all 12 months was used. For 1958, data represent average number of production workers for payroll period ending nearest 15th of March, May, August, and November plus all other employees for period ending March 15; no adjustment made for seasonality.

² See footnote 2, table 1099. ³ See footnote 3, table 1099. ⁴ See footnote 6, table 1099. ⁵ Not available.

⁶ See footnote 8, table 1099. ⁷ See footnote 9, table 1099. ⁸ 1954 figures not available on comparable basis.

⁹ See footnote 11, table 1099. ¹⁰ See footnote 14, table 1099. ¹¹ Includes, in addition to commercial (jobbing) foundries, "captive" foundries at separate locations producing gray-iron castings for other plants of the same company. Accordingly, the percentages do not reflect the market shares in the commercial foundry industry as such.

No. 1099. PERCENT OF TOTAL SHIPMENTS MADE BY LARGE MANUFACTURING COMPANIES, SELECTED INDUSTRIES: 1954 AND 1958

[Excludes Alaska and Hawaii. First 45 industries as determined by value of shipments in 1958. Industry codes and descriptions are based on standard industrial classification (SIC) system used through 1947 and differ from those appearing in the 1953 Census of Manufactures Reports, Series MC-20 through MC-39. For a description of the industries, see the appropriate 1954 Census of Manufactures Industry Report or the 1958 Census of Manufactures Preliminary Reports, Series MC(P)-20 through MC(P)-39. Determination of company affiliation of establishments is based on Census reports and publicly available records. Value of shipments totals for establishments have been summarized into company totals in each manufacturing industry. "Largest" companies are determined by each company's value of shipments in the specified industry.]

Industry code	INDUSTRY AND CENSUS YEAR	Number of companies	Value of shipments ¹ (\$1,000)	PERCENT OF TOTAL VALUE OF SHIPMENTS ACCOUNTED FOR BY-			Primary product specialization ratio ²	Coverage ratio ³
				4 largest companies	8 largest companies	20 largest companies		
3717	Motor vehicles and parts.....	1954.....	991	4,611,111	470	4,80	4,87	(3)
		1958.....	980	4,610,040	475	4,81	4,89	(3)
3312	Blast furnaces and steel mills ⁴	1954.....	(7)	5,014,389	455	471	486	(7)
		1958.....	148	5,980,031	453	470	484	(7)
2011	Petroleum refining.....	1954.....	253	11,757,218	33	56	84	.99
		1958.....	285	14,106,250	32	55	82	.98
2011	Meat packing plants.....	1954.....	2,228	1,394,486	430	451	460	.98
		1958.....	2,046	1,677,055	434	446	457	.97
3721	Aircraft.....	1954.....	(8)	4,348,876	(8)	(8)	(8)	(8)
		1958.....	9,113	4,375,900	459	483	499	.84
2421	Sawmills and planing mills.....	1954.....	16,594	3,247,200	7	11	18	.97
		1958.....	15,731	6,158,225	8	12	18	.96
2027	Fluid milk ¹⁰	1954.....	(7)	4,586,750	22	28	(7)	(7)
		1958.....	5,008	5,802,015	23	29	37	.90
2012	Paper and paperboard mills.....	1954.....	301	3,792,810	10	31	48	.99
		1958.....	375	11,497,870	21	34	52	.99
3601	Radios and related products.....	1954.....	1,612	4,213,027	424	435	453	(3)
		1958.....	1,797	2,552,009	427	438	452	(3)
2051	Bread and related products.....	1954.....	5,470	3,087,017	20	31	40	.08
		1958.....	5,305	3,699,473	22	33	42	.98
2099	Food preparations.....	1954.....	2,357	3,250,254	33	42	55	.94
		1958.....	2,396	3,642,107	29	36	49	.94
2711	Newspapers.....	1954.....	8,445	3,091,027	18	24	34	.95
		1958.....	7,947	3,615,556	17	24	35	.96
3722	Aircraft engines.....	1954.....	202	3,188,950	62	81	93	.93
		1958.....	186	3,359,312	56	77	92	.94
2829	Organic chemicals, n.e.c.	1954.....	202	2,198,687	59	73	87	.77
		1958.....	250	3,070,155	55	70	85	.80
2042	Prepared animal feeds.....	1954.....	2,037	2,702,267	21	29	33	.95
		1958.....	2,016	2,942,008	22	30	43	.97
2033	Canned fruits and vegetables ¹⁴	1954.....	1,461	2,228,947	28	39	52	.90
		1958.....	1,347	2,911,355	29	39	55	.90
2233	Cotton broad-woven fabrics.....	1954.....	413	2,789,621	18	29	49	.94
		1958.....	321	2,719,432	25	40	59	.94
2671	Paperboard boxes.....	1954.....	1,433	2,179,580	16	26	41	.96
		1958.....	1,447	2,688,504	17	27	45	.95
2751	Commercial printing.....	1954.....	11,970	2,202,074	10	16	24	.85
		1958.....	13,023	2,045,562	10	16	25	.84
3441	Structural and ornamental work.....	1954.....	2,820	1,809,971	18	23	31	.89
		1958.....	3,311	2,589,710	16	21	28	.89
2834	Pharmaceutical preparations.....	1954.....	1,128	1,643,140	25	44	68	.91
		1958.....	1,064	2,533,124	27	45	73	.88
2819	Inorganic chemicals, n.e.c. ¹³	1954.....	274	1,359,872	36	51	74	.87
		1958.....	310	2,468,013	34	51	76	.88
3729	Aircraft equipment, n.e.c.	1954.....	1,054	2,342,536	20	32	52	.80
		1958.....	1,097	2,283,946	27	39	55	.90
3011	Tires and inner tubes.....	1954.....	27	1,841,732	79	91	99+	.88
		1958.....	38	2,271,918	74	88	99	.90
2111	Cigarettes ¹²	1954.....	12	1,640,950	82	99+	100	.86
		1958.....	12	2,159,135	79	99+	100	.99
3141	Footwear, except rubber.....	1954.....	970	1,790,717	30	36	45	.99
		1958.....	871	2,026,200	27	34	43	.99
2082	Beer and ale.....	1954.....	263	1,857,053	27	41	60	1.00
		1958.....	211	1,979,730	28	44	68	1.00
2041	Flour and meal.....	1954.....	602	1,858,888	40	52	68	.94
		1958.....	703	1,969,993	38	51	68	.93
3463	Metal stampings.....	1954.....	2,215	1,727,644	14	21	33	.82
		1958.....	2,326	1,944,341	12	19	32	.85
2009	Paper and board products, n.e.c. ¹²	1954.....	770	1,427,622	25	39	58	.90
		1958.....	834	1,921,603	34	45	60	.88

See footnotes at end of table.

Large Manufacturing Companies

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No. 1099. PERCENT OF TOTAL SHIPMENTS MADE BY LARGE MANUFACTURING COMPANIES IN SELECTED INDUSTRIES: 1954 AND 1958—Continued

Industry code	INDUSTRY AND CENSUS YEAR	Number of companies	Value of shipments ¹ (\$1,000)	PERCENT OF TOTAL VALUE OF SHIPMENTS ACCOUNTED FOR BY—			Primary product specialization ratio ²	Coverage ratio ³
				4 largest companies	8 largest companies	20 largest companies		
3099	Rubber industries, n.e.c.—	1,182	1,877,072	(14)	(14)	(14)	.88	.78
	1958	1,032	1,836,968	23	34	47	.86	.81
2823	Plastics materials—	149	1,281,448	47	69	88	.90	.75
	1958	273	1,811,373	40	56	79	.86	.71
3411	Tin cans and other tinware—	16,109	1,366,766	80	88	96	.98	.99
	1958	84	1,903,672	80	89	97	.95	.96
3071	Plastics products, n.e.c.—	2,377	1,192,895	8	13	25	.90	.84
	1958	3,094	1,777,627	8	13	22	.92	.85
2851	Paints and varnishes—	1,337	1,494,309	27	37	50	.95	.97
	1958	1,428	1,730,188	25	36	48	.93	.97
2721	Periodicals—	2,012	1,440,961	29	40	54	.95	.97
	1958	2,245	1,650,606	31	41	55	.93	.97
2333	Dresses, unit price ¹² —	4,072	1,455,080	4	7	12	.96	.95
	1958	3,006	1,026,612	4	7	12	(?)	(?)
2015	Poultry dressing plants—	1,189	1,257,892	17	23	33	.96	.97
	1958	1,041	1,618,261	12	16	25	.95	.97
3631	Construction and mining machinery—							
	1954	589	1,132,333	19	29	50	.86	.81
	1958	705	1,685,499	18	28	48	.86	.80
3621	Tractors—	141	1,177,074	74	90	97	.85	.93
	1958	109	1,570,085	69	90	98	.88	.92
3273	Ready-mixed concrete ¹³ —	8,104	1,559,272	4	7	13	.94	.97
3509	Machine shops—	6,795	1,107,708	8	13	22	.88	.86
	1958	10,482	1,544,312	7	12	20	(?)	(?)
3622	Farm machinery (except tractors)—							
	1954	1,145	1,005,085	38	51	64	.89	.90
	1958	1,288	1,467,836	38	47	59	.91	.92
2761	Lithographing—	2,879	962,552	8	12	20	.82	.79
	1958	4,184	1,450,649	9	12	18	.81	.80
3302	Wire drawing—	150	1,266,436	36	54	74	.95	.89
	1958	157	1,448,063	34	60	69	(?)	(?)

¹ Comprises for all manufacturing establishments classified in an industry (a) value of products "primary" to the industry, (b) value of "secondary" products, which are primary to other industries, and (c) "miscellaneous receipts" such as those for contract and commission work on materials owned by others, scrap and salable refuse, repair, etc. Excludes sales of products bought and resold in same condition. 1954 figures for some industries reflect minor revisions of previously published data.

² Measures extent to which establishments classified in an industry "specialize" in making products regarded as primary to the industry. That is, value of shipments of *primary* products of establishments in the industry is expressed as a ratio of total shipments of *all* products made by these establishments (excluding "miscellaneous receipts," such as those for contract and commission work on materials owned by others, scrap and salable refuse, repair, etc.). 1954 ratios for some industries reflect minor revisions of previously published data.

³ Measures extent to which all shipments of primary products of an industry are made by establishments classified in the industry, as distinguished from secondary producers elsewhere. That is, value of shipments of *primary* products made by establishments classified in the industry is expressed as a ratio of total shipments of *primary* products made by all producers, both in and out of the specified industry. 1954 ratios for some industries reflect minor revisions of previously published data.

⁴ Value added by manufacturer used as basis for computing percentages because value of shipments data (used for ranking) contain substantial and unmeasurable amount of duplication.

⁵ Not shown because total value of primary products shipped includes large amount of duplication.

⁶ Based on combined figures for Industry 3311, Blast Furnaces; Industry 3312, Steelworks and Rolling Mills; Industry 2031, Beehive Coke Ovens; and Industry 2032, Byproduct Coke Ovens. ⁷ Not available.

⁸ Comparable data not available. In 1954 any establishment manufacturing at least 1 complete aircraft was classified in Industry 3721, Aircraft. In 1958 an establishment manufacturing complete aircraft was classified in Industry 3721 if its value of work done on aircraft exceeded its value of shipments of any other single industry's products.

⁹ Approximately 50 small companies were misclassified into Industry 3721, Aircraft, because of incomplete reporting of product information. However, this misclassification had only an insignificant effect on value added, on employment, and on percentages accounted for by the 4, 8, and 20 largest companies.

¹⁰ In 1954, this industry was composed of 2 industries, 2020, Fluid Milk (only), and 2027, Fluid Milk and Other Products. 1954 figures on value of shipments and on percentages accounted for by the 4 and 8 largest companies have been recalculated on a basis comparable to 1958.

¹¹ In the 1954 Census integrated pulp and paper companies were given the option of reporting their pulp and paper (or board) operations on a combined basis when both were conducted at a single physical location. Most integrated companies exercised this option, but a few with departmental accounting chose to report separately for the pulp mill and paper (or board) mill, as they were required to do in 1954. The only other pulp mills separately reported in the 1958 Census were (1) those exclusively selling their pulp on the market (i.e., not associated or affiliated with a paper and board mill), and (2) those pulp mills affiliated or associated with paper or board mills but operated at a different physical location. The change had little effect on comparability of value of shipments for the industry.

¹² Value of production shown rather than value of shipments. Includes value of primary and secondary products made and miscellaneous receipts such as receipts for contract and commission work on materials owned by others, scrap, and other salable refuse.

¹³ Includes Government-owned privately operated plants.

¹⁴ Comparable data not available. Establishments primarily engaged in producing factory rebuilt and retreaded tires were included in this industry in 1954 but included in the service trades in 1958.

¹⁵ A number of small establishments were misclassified into Industry 3411. This misclassification, however, has no appreciable effect on the total value of shipments or on the percentages accounted for by the largest companies.

¹⁶ Excluded from 1954 Census.

Source: Department of Commerce, Bureau of the Census; *Concentration Ratios in Manufacturing Industry, 1958*.

Manufactures

No. 1100. CAPITAL IN MANUFACTURING INDUSTRIES: 1930 TO 1961

[In billions of dollars. Beginning 1960, includes Alaska and Hawaii. Data refer to privately owned manufacturing industries and are based on the fixed capital formation components of the gross national product. For detailed discussion, see source. See also *Historical Statistics, Colonial Times to 1957*, series P 24-26, and for data on 1947=100 base, series P 20-23 and P 27-29]

ITEM	1930	1935	1940	1945	1950	1955	1958	1959	1960	1961
Purchases of structures and equipment:										
In current dollars.....	1.8	1.0	2.2	3.6	6.3	8.6	10.0	9.0	11.0	10.2
Structures.....	.8	.3	.7	1.0	1.6	3.0	3.3	2.7	3.0	2.7
Equipment.....	1.0	.8	1.5	2.5	4.6	5.6	6.7	7.2	8.0	7.5
In 1954 dollars.....	4.5	2.4	4.7	6.2	7.3	8.5	8.3	8.0	8.9	8.3
Structures.....	2.4	1.8	1.9	1.9	1.9	3.0	2.8	2.2	2.5	2.2
Equipment.....	2.1	1.6	2.8	4.3	5.4	5.5	5.5	5.8	6.4	6.1
Depreciation on structures and equipment:										
In current dollars.....	1.0	1.4	1.7	2.4	4.8	6.7	8.9	9.3	9.6	9.8
Structures.....	.6	.6	.7	1.0	1.7	2.1	2.5	2.6	2.6	2.6
Equipment.....	1.0	.9	1.0	1.4	3.0	4.6	6.4	6.7	7.0	7.2
In 1954 dollars.....	3.8	3.6	3.7	4.1	5.5	6.6	7.4	7.6	7.8	7.9
Structures.....	1.7	1.7	1.7	1.7	1.9	2.0	2.1	2.1	2.1	2.1
Equipment.....	2.1	1.8	2.0	2.4	3.5	4.6	5.3	5.4	5.6	5.8
Net formation of capital: ¹										
In current dollars.....	.2	-.4	.5	1.2	1.5	1.9	1.1	.6	1.4	.4
Structures.....	.2	-.3	.1	.1	-.1	1.0	.8	.1	.4	.1
Equipment.....	.0	-.1	.4	1.1	1.0	.9	.3	.5	1.0	.3
In 1954 dollars.....	.7	-1.1	1.0	2.1	1.8	1.0	.9	.5	1.1	.4
Structures.....	.7	-1.0	.2	.1	-.1	1.0	.6	.1	.3	.1
Equipment.....	.0	-.2	.8	1.9	1.9	.9	.3	.4	.8	.3
Real net value of structures, equipment, and inventories in 1954 dollars.....	82.7	70.1	77.4	85.0	107.0	120.4	138.8	142.6	145.0	140.5
Structures and equipment ²	59.4	51.7	52.4	55.7	72.5	84.1	92.3	92.8	94.0	94.3
Structures.....	40.6	36.4	35.3	33.6	38.8	41.0	44.7	44.0	45.2	45.3
Equipment.....	18.9	15.3	17.1	22.1	33.7	42.2	47.6	48.0	48.8	49.0
Inventories.....	23.3	18.5	25.0	29.3	35.4	45.3	46.4	40.8	51.0	52.2

¹ Represents the difference between the purchase and depreciation series.

² Represents real net value of structures and equipment in preceding year plus net formation of capital for year shown.

Source: Department of Commerce, Office of Business Economics, *U.S. Income and Output*, a supplement to the *Survey of Current Business*, and *Survey of Current Business*, July 1962.

No. 1101. MANUFACTURES—EXPENDITURES FOR NEW PLANT AND EQUIPMENT: ESTABLISHMENTS IN OPERATION, BY MAJOR INDUSTRY GROUPS: 1954 and 1958

[In millions of dollars. Excludes Alaska and Hawaii. See headnote, table 1097]

MAJOR INDUSTRY GROUP	1954 ¹	1958		
		Total expenditures	New structures and additions	New machinery and equipment
	7,817	9,075	3,009	6,066
All industries.....				
Food and kindred products.....				
Tobacco products.....	788	965	287	678
Textile mill products.....	28	38	7	31
Apparel and related products.....	220	212	37	174
Lumber and wood products.....	277	89	25	64
Furniture and fixtures.....	217	277	91	186
Paper and allied products.....	62	82	30	51
Printing and publishing.....	2,533	618	138	481
Chemicals and allied products.....	237	409	130	272
Petroleum and coal products.....	927	1,116	275	841
Rubber and plastics products, n.e.c.....	674	672	625	147
Leather and leather products.....	174	197	43	154
Stone, clay, and glass products.....	28	32	7	25
Primary metal industries.....	(*)	442	125	318
Fabricated metal products.....	919	1,428	528	900
Machinery, except electrical.....	448	458	145	314
Electrical machinery.....	(*)	676	198	478
Transportation equipment.....	(*)	450	142	307
Instruments and related products.....	925	608	166	442
Miscellaneous ²	94	124	40	84
	(*)	188	62	121

¹ Not strictly comparable with figures for 1958 due to differences in coverage.

² Expenditures for establishments under construction excluded from industry group in order to avoid disclosing figures for individual companies. They are, however, included in the totals.

³ Comparable data not available.

⁴ Includes privately owned and/or operated establishments classified in "Ordnance and accessories."

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Manufactures: 1958*, Vol. I.

Plant and Equipment Expenditures

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No. 1102. MANUFACTURES—EXPENDITURES FOR NEW PLANT AND EQUIPMENT,
ESTABLISHMENTS IN OPERATION, BY STATES: 1954 TO 1959[In thousands of dollars, except percent. See headnote, table 1101. 1958 total differs slightly from that shown
in table 1101 because of revisions in State data]

STATE	1954	1957		1958	1959	
		Expenditures	Standard error ¹ (percent)		Expenditures	Standard error ¹ (percent)
United States ²	7,816,752	11,408,069	1	9,096,204	8,761,884	1
New England						
Maine	424,264	597,565	2	525,780	535,339	4
58,025	59,147	6	43,597	40,020	3	
New Hampshire	18,492	25,410	5	24,305	25,837	18
Vermont	8,870	21,660	1	11,598	16,707	10
Massachusetts	180,668	243,951	1	221,501	253,580	4
Rhode Island	27,671	35,238	9	29,515	29,640	13
Connecticut	120,591	212,159	3	105,204	169,555	9
Middle Atlantic	1,552,857	2,153,392	2	1,907,666	1,859,074	3
New York	572,125	711,623	2	676,852	710,130	2
New Jersey	359,816	600,180	3	432,395	443,333	4
Pennsylvania	620,915	941,589	4	708,410	705,611	6
East North Central	2,653,950	3,609,341	2	2,607,758	2,462,327	2
Ohio	700,932	1,134,029	2	784,644	678,578	1
Indiana	301,460	594,160	1	490,203	380,528	2
Illinois	551,669	875,127	2	607,273	608,789	2
Michigan	370,465	694,703	2	444,030	527,208	1
Wisconsin	109,422	310,713	19	191,608	201,226	2
West North Central	389,113	541,316	5	515,187	517,320	5
Minnesota	82,188	98,880	4	108,521	109,144	5
Iowa	73,410	110,561	6	99,866	114,079	6
Missouri	124,394	171,899	3	164,670	169,639	2
North Dakota	16,244	3,646	10	9,142	3,003	17
South Dakota	3,444	2,504	22	5,211	(3)	-----
Nebraska	36,414	74,675	30	49,006	35,650	12
Kansas	53,017	79,151	8	77,871	76,324	7
South Atlantic	789,323	1,412,366	2	988,732	1,030,254	2
Delaware	23,375	58,970	2	27,311	25,005	7
Maryland	93,908	259,009	5	120,809	118,504	4
District of Columbia	6,536	13,383	10	14,732	(3)	-----
Virginia	109,887	214,730	5	141,641	118,603	2
West Virginia	98,883	203,430	1	167,199	111,002	2
North Carolina	129,622	183,329	8	108,612	244,645	7
South Carolina	59,629	100,203	5	75,150	83,946	1
Georgia	162,849	177,846	3	152,440	155,285	2
Florida	104,631	140,560	4	120,739	151,506	6
East South Central	395,995	647,461	2	474,408	482,335	2
Kentucky	124,037	136,775	3	108,855	100,821	3
Tennessee	152,698	207,836	2	143,130	163,776	2
Alabama	82,248	265,751	2	104,478	150,917	2
Mississippi	37,008	37,000	15	57,945	66,821	15
West South Central	721,066	1,119,251	1	862,063	695,236	1
Arkansas	42,715	38,602	12	47,734	54,181	7
Louisiana	174,306	231,137	2	164,044	132,604	6
Oklahoma	51,740	51,999	3	61,927	82,257	2
Texas	452,214	797,423	2	588,368	426,194	1
Mountain	125,471	195,973	6	170,712	178,424	8
Montana	20,574	19,998	13	21,603	16,454	10
Idaho	19,254	17,743	21	18,409	23,692	7
Wyoming	6,899	10,420	1	6,085	4,243	10
Colorado	30,121	52,808	5	45,833	44,635	7
New Mexico	6,585	10,952	5	15,423	21,685	10
Arizona	13,800	(3)	-----	27,608	33,201	9
Utah	23,385	33,660	5	29,516	28,914	3
Nevada	4,850	8,752	15	5,155	5,510	13
Pacific ²	764,713	1,131,090	2	1,044,538	1,001,575	4
Washington	147,130	211,519	3	160,445	103,252	3
Oregon	67,811	74,881	7	121,317	105,441	4
California	549,801	844,680	2	742,331	716,789	4
Alaska				3,204	(3)	-----
Hawaii				17,181	(3)	-----

¹ See Technical Note, p. 771, for explanation of standard error.² Beginning 1958, includes Alaska and Hawaii.³ Withheld because the estimate did not meet publication standards.Source: Department of Commerce, Bureau of the Census; *U. S. Census of Manufactures: 1958*, Vol. I, and *Annual Survey of Manufactures*.

Manufactures

No. 1103. WATER USE IN MANUFACTURING INDUSTRIES, BY MAJOR INDUSTRY GROUP: 1959
 [Water in billions of gallons. Includes Alaska and Hawaii. For establishments reporting intake of 20 million or more gallons of water, which account for more than 90 percent of the water used in manufacturing]

MAJOR INDUSTRY GROUP	NUMBER OF ESTABLISHMENTS	WATER INTAKE						WATER DISCHARGE Water required if none recharged or reused	
		All purposes		Fresh, from—		Company surface water system	Company ground water system		
		Treated water prior to recircula- tion or reuse	Total	Total	Public water system				
All industries	7,720	5,518	1,872	12,175	1,921	9,733	1,303	2,442	
Food and kindred products	1,720	1,250	384	624	69	555	154	215	
Tobacco manufactures	23	20	12	3	1	3	(2)	69	
Fibre mill products	511	296	57	135	68	125	40	(3)	
Apparel and related products	19	13	6	10	2	9	9	1	
Number and wood products	178	181	39	140	7	116	9	95	
Furniture and fixtures	31	24	2	3	(2)	2	1	1	
Felt, paper, and products	360	586	201	1,387	835	1,788	220	1,210	
Printing and publishing	79	52	14	13	2	11	9	2	
Chemicals and products	983	698	284	3,240	317	2,083	132	249	
Petroleum and coal products	245	216	145	1,319	141	719	131	492	
Rubber products	243	189	48	127	13	122	27	73	
Leather and leather goods	64	32	11	12	1	12	5	4	
Stone, clay, and glass products	471	295	89	295	33	286	27	307	
Primary metal industries	769	551	167	3,702	369	3,408	280	3,016	
Fabricated metal products	439	290	61	44	3	42	34	2	
Machinery, except electrical	318	224	85	171	13	147	38	95	
Electrical machinery	351	247	94	93	6	82	46	23	
Transportation equipment	477	344	144	260	27	203	118	60	
Instruments and related products	72	53	22	23	8	23	7	11	
Miscellaneous manufactures	108	77	27	26	5	25	14	6	

¹ Includes simple as well as complex treatment.

² Containing more than 1,000 parts per million of dissolved solids.

³ Less than 500 million gallons.

Source: Department of Commerce, Bureau of the Census; U. S. *Census of Manufactures: 1958*, Vol. I, and records.

Frozen Foods and Canned Foods

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No. 1104. PRODUCTION OF PRINCIPAL FROZEN FOODS: 1950 TO 1960

[In millions of pounds. Includes Alaska and Hawaii]

YEAR	Total	VEGETABLES		Fruits and berries, excluding citrus juices	Citrus juices 1	Meat	Poultry	Prepared foods	Seafoods
		Total, excluding potatoes	Potato products						
1950	3,079	558	29	472	1,212	35	411	75	287
1951	3,880	722	48	430	1,583	55	582	135	326
1952	4,092	838	58	420	2,273	80	800	200	313
1953	5,804	1,033	71	542	2,583	125	850	325	275
1954	6,664	889	85	523	3,289	175	950	450	303
1955	7,307	1,011	129	660	3,318	250	1,000	625	315
1956	8,406	1,343	190	694	3,698	325	1,080	750	325
1957	8,442	1,145	220	671	3,706	365	1,180	840	314
1958	8,126	1,164	269	610	3,300	340	1,200	920	323
1959	9,738	1,256	371	618	4,201	325	1,500	1,040	337
1960	10,318	1,408	551	600	3,950	310	2,000	1,100	320

¹ Includes single-strength orange juice, lemon juice, grapefruit juice, lime juice, and citrus purées. Concentrated juices reconstituted.

Source: National Frozen Food Association, New York, N.Y.; annual report, *Frozen Food Fact Book and Directory*.

No. 1105. WHOLESALE DISTRIBUTORS' AND CANNERS' STOCKS OF SPECIFIED CANNED FOODS: 1959 TO 1962

[In thousands of actual cases. As of January 1, except as noted. Excludes Alaska and Hawaii, except as noted. Includes warehouses of retail multiunit organizations. Based on sample]

COMMODITY	1959		1960		1961		1962	
	Distributors	Canners	Distributors ¹	Canners	Distributors ¹	Canners	Distributors ¹	Canners
Vegetables:								
Asparagus	650	2,705	721	2,569	692	2,796	667	2,912
Beans, green and wax	2,771	18,482	2,863	19,181	2,033	16,271	2,909	20,887
Beans, lima	528	2,174	2,154	2,154	497	2,187	480	(3)
Beets	1,045	6,743	1,130	5,721	1,032	4,918	973	5,532
Carrots	415	2,268	452	1,685	443	2,549	487	2,142
Corn	3,948	21,306	3,738	25,020	3,648	21,986	3,770	28,273
Peas	3,264	23,975	3,517	19,220	3,235	15,857	3,078	14,450
Pumpkin and squash	406	1,220	440	1,211	424	1,417	414	1,370
Sauerkraut	647	4,930	810	3,274	661	4,398	707	4,728
Spinach	572	(3)	621	2,144	612	2,270	608	2,529
Tomatoes	3,215	10,403	3,135	13,348	3,038	12,050	3,130	14,368
Tomato catsup and chili sauce	2,066	24,336	2,270	22,147	2,314	25,945	2,362	27,152
Fruits:								
Apples	407	2,523	309	2,947	587	2,419	410	2,433
Apricots	1,422	10,607	1,228	12,299	1,515	12,693	1,328	11,910
Apricots	558	7,885	748	7,097	713	7,693	713	7,028
Cherries, red-pitted	429	1,206	435	2,014	424	1,062	386	1,176
Cherries, sweet	230	622	220	7,425	202	7,317	211	7,677
Fruit cocktail	1,448	7,347	1,599	7,825	1,505	7,930	1,822	7,964
Grapefruit segments	349	1,581	357	2,483	353	1,512	406	1,576
Peaches	3,771	7,193	3,777	7,157	3,523	7,17,193	3,675	7,17,004
Pears	1,209	7,518	1,212	7,032	1,205	7,0,221	1,121	7,7,006
Pineapple	1,879	9,694	1,950	8,628	1,780	9,537	1,854	10,671
Plums	270	710	318	986	208	7,261	286	7,979
Juices:								
Citrus blends	389	489	327	824	340	432	301	621
Grapefruit	605	1,083	630	1,787	705	1,106	606	1,451
Orange	708	3,101	793	5,634	703	4,389	732	3,946
Pineapple	1,185	7,177	1,061	7,704	1,302	6,419	1,351	6,852
Tomato	2,134	25,853	2,172	22,349	2,261	21,093	1,981	20,963
Fish:								
Maine sardines	268	891	235	843	233	1,029	193	144

¹ Includes Alaska and Hawaii.

² As of February 1. ³ Not available. ⁴ As of December 1.

⁵ Canners stocks converted to cases by using a factor of 10 cases of 24/24's per barrel of 45 gallons.

⁶ Standard cases 6/10's. ⁷ Standard cases 24/24's. ⁸ Includes fruit for salad and mixed fruits (except citrus). ⁹ Canners stocks cover Florida only. ¹⁰ Canners stocks cover Hawaii and the Philippines.

¹¹ Canners stocks cover purple plums only. ¹² Includes vegetable juice combinations containing at least 70 percent tomato juice. ¹³ Canners stocks in standard cases, 100/3/4-ounce cans.

Source: Data compiled by Department of Commerce, Bureau of the Census, from reports by various trade associations; published in *Canned Food Report*.

No. 1106. CANNED FRUIT AND VEGETABLE PRODUCTS—ANNUAL PRODUCTION: 1950-51 TO 1961-62

[In millions of standard cases of 24 No. 2 cans, except as noted. Data are for pack years ending in year shown and are partly estimated. Excludes Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1957*, series P 190-191, for canned corn and tomatoes]

PRODUCT	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Fruits ¹ :	74.2	81.5	75.5	78.3	81.4	90.5	96.1	88.5	90.1	101.5	100.3	(2)
Apples	4.9	3.1	2.4	2.7	4.3	3.3	3.6	3.4	3.3	3.7	3.0	3.7
Applesauce	8.3	5.5	5.5	7.0	9.4	8.3	9.5	8.9	10.4	11.4	11.7	12.6
Apricots	3.7	4.0	4.0	4.8	2.8	5.9	4.2	4.2	1.0	5.0	0.1	4.8
Berries	1.3	1.7	1.5	1.4	1.4	1.1	1.0	1.3	1.2	1.2	0.8	0.8
Cherries, red, pitted	3.8	3.6	2.9	2.8	2.3	3.5	1.8	2.6	2.0	3.0	1.8	2.4
Cherries, other	0.7	0.9	1.3	1.1	1.0	1.4	0.7	1.0	1.0	0.7	0.6	1.1
Cranberries	2.5	2.7	2.5	2.8	3.0	3.0	3.1	3.0	3.1	3.7	2.2	3.4
Figs	0.5	0.7	0.8	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.4
Grapefruit	3.2	2.4	2.6	3.0	3.6	3.3	3.1	2.9	3.2	2.8	3.0	(2)
Mixed fruits	8.2	10.0	8.3	9.2	10.0	10.9	12.2	11.7	11.6	13.3	14.0	14.8
Peaches	16.6	22.8	19.3	21.1	18.5	22.5	27.9	23.9	24.8	29.3	30.0	30.7
Pears	6.4	6.6	6.6	6.8	7.8	8.3	8.0	8.6	7.9	9.5	8.5	9.1
Pineapple ²	11.3	12.9	14.6	13.4	13.1	14.7	14.6	13.5	14.2	14.2	15.0	15.2
Plums and prunes	1.0	2.4	1.6	1.4	1.7	1.7	2.3	1.1	1.3	1.8	0.4	1.7
Olives, ripe	1.8	2.3	1.7	1.8	2.0	1.9	2.6	1.9	2.2	1.6	2.9	1.9
Juices:												
Apple	3.4	3.0	3.1	3.0	4.1	3.4	4.0	4.4	5.2	6.6	6.2	6.0
Grapefruit	18.3	9.2	11.6	16.0	12.0	13.8	14.2	10.7	11.4	11.3	11.0	(2)
Lemon	0.4	0.4	0.7	0.3	0.5	0.7	0.6	0.7	0.8	(2)	(2)	(2)
Orange	22.5	20.9	18.9	18.6	18.1	16.6	17.6	18.3	14.3	16.8	11.5	(2)
Orange-grapefruit	9.4	6.6	6.1	6.5	5.1	5.4	5.3	5.0	4.4	4.5	3.2	(2)
Pineapple ³	13.7	12.2	16.9	16.4	16.0	16.2	16.7	12.5	15.2	13.4	14.4	15.3
Tomato	26.2	36.2	35.8	37.8	27.1	26.9	43.6	32.6	37.5	31.1	33.0	31.6
Seasonal vegetables:												
Asparagus	124.3	149.2	139.8	140.7	135.0	136.9	159.0	150.0	151.4	147.4	145.8	166.5
Beans, green and wax	4.5	4.8	4.4	4.0	5.0	6.2	5.4	5.9	6.2	5.8	6.5	6.9
Beans, lima	21.0	19.4	16.3	22.6	27.1	23.4	24.0	26.2	26.4	25.3	27.2	32.9
Beets	3.2	3.0	2.3	3.1	3.5	2.8	3.4	2.5	2.8	2.7	3.1	3.5
Carrots	8.2	7.5	6.7	8.6	7.1	7.5	9.7	8.4	7.9	7.9	7.3	8.7
Corn	1.9	2.2	2.8	2.7	2.1	1.8	3.1	2.4	3.2	2.9	4.1	3.2
Greens, leafy	18.2	25.6	32.3	31.0	30.6	24.1	35.7	31.5	27.1	33.8	28.9	37.9
Mixed vegetables	2.0	2.8	2.9	2.8	2.1	2.5	2.2	2.1	2.5	1.8	2.4	2.0
Peas, field	2.4	1.9	2.0	1.8	1.7	1.7	1.7	1.4	1.9	1.8	2.2	2.0
Peas, green	1.7	1.4	1.5	2.0	1.3	1.8	0.9	1.4	2.0	1.7	1.7	1.9
Pimientos	29.1	33.9	26.5	28.0	24.0	27.4	29.2	33.9	29.5	25.7	23.5	26.6
Pumpkin and squash	1.2	0.4	0.3	1.0	0.7	1.0	0.3	0.4	0.5	0.6	0.7	1.0
Spinach	2.2	4.4	5.4	3.0	2.1	4.2	5.1	3.3	3.5	3.7	4.1	3.6
Tomatoes	5.6	7.6	6.1	5.4	4.0	6.0	6.4	6.3	5.2	7.1	6.4	6.3
Tomato products	21.1	31.8	28.0	22.3	21.8	24.7	29.9	21.7	30.5	24.1	25.4	27.9
Catsup and chili sauce	2.0	2.5	2.3	2.9	1.9	1.8	2.0	2.6	2.5	2.5	2.3	2.1
Paste and sauce												
Pulp and puree	4.0	7.7	4.7	3.6	3.2	4.3	6.2	4.6	4.8	3.5	4.4	5.7

¹ Basis 24 No. 2½ cans.

² Not available.

³ Hawaiian pack plus receipts from Puerto Rico. 1951-62 represents U.S. pack and foreign operations.

⁴ Succotash, triple succotash, carrots and peas, okra, okra and tomatoes.

Source: National Canners Association, Washington, D.C.; *Canned Food Pack Statistics*, and records.

Canned Goods—Medicinals

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No. 1107. CANNED VEGETABLES, FRUITS, JUICES, AND FISH—CANNERS' TOTAL SUPPLY, CARRYOVER, PACK, AND SHIPMENTS: 1959-1960 TO 1961-1962

[In thousands of actual cases. Excludes Alaska and Hawaii, except as noted]

COMMODITY	Season beginning date	TOTAL SUPPLY		1961-1962 SEASON			SHIPMENTS FROM SEASON DATE TO—	
		1959-1960	1960-1961	Total supply	Carry-over	Pack	Jan. 1, 1961	Jan. 1, 1962
Vegetables:								
Asparagus	Mar. 1	8,607	9,322	9,582	1,522	8,060	6,526	6,660
Beans, green and wax	July 1	33,159	30,676	30,769	4,108	132,661	14,405	15,881
Beans, lima	Aug. 1	3,562	3,861	4,404	560	3,864	(2)	(2)
Beets	July 1	11,607	8,945	9,881	1,572	18,309	4,027	4,349
Carrots	July 1	4,749	4,144	3,557	1,458	12,099	1,696	1,415
Corn	Aug. 1	42,823	37,374	46,532	2,117	44,415	15,988	18,259
Peas	June 1	38,670	33,248	32,791	2,921	29,870	17,391	18,333
Pumpkin and squash	July 1	3,885	4,192	3,971	952	3,019	3,2775	3,2,502
Sauerkraut ⁴	Aug. 1	6,649	7,094	7,743	1,841	15,902	2,696	3,015
Spinach	Mar. 1	8,210	7,271	7,869	2,097	15,772	4,992	5,339
Tomatoes	July 1	29,039	25,773	27,397	4,282	123,115	13,158	13,029
Tomato catsup and chili sauce	July 1	38,305	43,117	44,706	8,601	36,195	17,172	17,644
Fruits:								
Apples ⁵	Sept. 1	4,888	3,900	4,096	822	13,474	1,481	1,664
Applesauce	Sept. 1	19,235	19,030	19,436	2,822	16,614	6,336	7,526
Apricots	June 1	6,381	8,252	8,038	2,240	5,798	6,3,077	6,3,579
Cherries, red, pitted	July 1	4,325	2,555	3,242	103	3,139	1,493	2,055
Cherries, sweet	June 1	1,481	1,167	1,825	121	1,704	6,427	6,512
Fruit cocktail ⁷	June 1	22,177	23,234	25,648	4,995	20,653	6,7,258	6,8,568
Grapefruit segments ⁸	Oct. 1	5,482	2,552	2,785	933	11,852	1,040	1,200
Peaches	June 1	38,904	40,017	41,622	6,824	34,798	17,510	19,300
Pears	June 1	14,375	13,448	14,444	3,140	11,304	6,4,588	6,4,548
Pineapple ⁹	June 1	24,609	20,218	21,985	6,784	115,201	10,681	11,313
Purple plums	June 1	2,044	708	1,866	46	1,820	507	887
Juices:								
Citrus blends ⁸	Oct. 1	3,998	1,106	1,329	820	1,000	674	708
Grapefruit juice ⁸	Oct. 1	9,422	2,545	3,208	1,754	1,544	1,439	1,847
Orange ⁸	Oct. 1	17,994	6,582	6,322	1,183	15,130	2,193	2,376
Pineapple ⁸	June 1	15,932	14,610	14,192	4,058	10,134	6,419	7,341
Tomato ¹⁰	July 1	38,300	38,067	36,637	7,792	28,845	16,074	15,674
Fish:								
Maine sardines ¹¹	Apr. 15	2,171	2,300	1,132	467	1,675	1,271	983

¹ Pack to January 1, 1962

² Not available.

³ Shipments to December 1.

⁴ Converted to cases by using a factor of 10 cases of 24/24's per barrel of 45 gallons.

⁵ Standard cases, basis 6/10's.

⁶ Standard cases, basis 24/24's.

⁷ Includes fruits for salad and mixed fruits

(except citrus).

⁸ Florida only.

Hawaii and the Philippines.

⁹ Includes vegetable juice combinations containing at least 70 percent tomato juice.

¹⁰ Standard cases, basis 100/34-ounce cans.

¹¹ Standard cases, basis 100/34-ounce cans.

Source: Department of Commerce, Bureau of the Census; *Canned Food Report*.

No. 1108. SELECTED MEDICINALS—PRODUCTION AND SALES: 1945 TO 1960

[Sales data are for original manufacturers only]

ITEM	1945	1950	1955	1956	1957	1958	1959	1960
Penicillin salts:								
Production ¹ —billion units	7,454	219,903	344,243	478,259	525,733	391,574	429,781	498,130
Sales—do	7,092	182,943	336,300	448,599	465,586	372,289	370,668	386,760
Value—\$1,000	46,462	93,652	43,080	63,529	66,294	60,321	57,343	57,301
Streptomycin:								
Production—1,000 lbs	(2)	46	154	130	198	179	281	605
Sales—do	(2)	44	99	147	160	166	240	329
Value—\$1,000	(2)	7,131	5,127	5,604	6,796	5,707	5,388	7,515
Sulfa drugs:								
Production—1,000 lbs	5,888	4,967	2,767	3,817	3,843	3,725	5,835	5,090
Sales—do	5,672	3,704	(2)	1,635	(2)	(2)	(2)	(2)
Value—\$1,000	20,313	20,033	(2)	9,750	(2)	(2)	(2)	(2)
Aspirin:								
Production—1,000 lbs	10,041	11,110	15,062	16,603	18,054	20,819	18,097	23,553
Sales—do	10,120	12,003	13,203	13,524	16,787	16,312	17,165	18,271
Value—\$1,000	3,770	5,511	6,055	7,007	8,695	8,840	9,285	9,961

¹ Oxford units for 1945 and 1950; International units, thereafter.

² Withheld to avoid disclosing figures for individual producers.

Source: U.S. Tariff Commission; *Synthetic Organic Chemicals, U.S. Production and Sales*.

No. 1109. DENATURED ALCOHOL: 1930 TO 1961

[For years ending June 30. Includes Hawaii and Puerto Rico]

YEAR	Alcohol produced at industrial alcohol plants	Denaturing plants operated	SPECIALLY DENATURED ALCOHOL DEALERS AND USERS		Ethyl alcohol used for denaturation ¹	DENATURED ALCOHOL PRODUCED ²		
			Dealers operating	Manufacturers operating		Total	Completely denatured	Specially denatured
	1,000 proof gallons				1,000 proof gallons	1,000 wine gallons	1,000 wine gallons	1,000 wine gallons
1930	193, 824	68	81	4, 306	185, 001	106, 777	59, 064	47, 713
1935	180, 646	39	71	4, 279	165, 234	97, 031	38, 747	58, 284
1940	243, 728	40	52	4, 283	226, 161	126, 762	15, 352	111, 410
1945	650, 090	65	38	4, 061	971, 447	527, 096	33, 088	494, 008
1950	313, 535	46	35	4, 176	322, 837	174, 674	4, 414	170, 200
1955	411, 840	46	35	3, 939	395, 834	213, 220	575	212, 654
1960	485, 484	42	36	3, 972	498, 614	268, 226	673	267, 554
1961	425, 418	47	36	3, 930	436, 469	235, 291	539	234, 752
	494, 376	45	39	3, 859	454, 629	245, 170	578	244, 601
1950	494, 132	43	42	3, 846	478, 412	267, 534	739	250, 705
1960	518, 724	38	43	3, 599	520, 512	279, 728	870	279, 047
1961	3, 003, 674	41	41	3, 745	587, 709	289, 229	820	288, 410

¹ Through 1940, represents withdrawals of all products for denaturation, that is, domestic ethyl alcohol, spirits produced by registered distilleries (redesignated upon receipt at denaturing plants as alcohol), and rum. Beginning 1946, represents all products (except rum) used for denaturation, that is, domestic ethyl alcohol, imported ethyl alcohol, and spirits. Rum is included for 1936 and 1940 because denatured rum is included with specially denatured alcohol for those years.

² Prior to 1945 includes denatured rum.

³ Alcohol and spirits, 100 proof and over, produced at distilled spirits plants.

No. 1110. ALCOHOLIC BEVERAGES—PRODUCTION, TAX-PAID WITHDRAWALS, AND STOCKS: 1940 TO 1961

[For years ending June 30. Includes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series P 102, for production of fermented malt liquor.]

CLASS	UNIT	1940	1945	1950	1955	1960	1961
Fermented malt liquor (beer):							
Production	1,000 bbl. ¹	54, 892	80, 604	88, 807	80, 701	94, 548	93, 406
Tax-paid withdrawals	do	53, 014	79, 591	83, 612	84, 457	88, 320	87, 926
Stocks on hand, June 30	do	9, 010	9, 262	10, 082	11, 627	11, 458	11, 414
Breweries operated	Number	611	468	407	202	220	220
Distilled spirits:							
Production ²	1,000 tax gal. ³	143, 455	524, 301	208, 235	182, 142	285, 024	4, 108, 125
Tax-paid withdrawals ⁴	do	128, 326	142, 331	144, 124	153, 122	177, 952	177, 592
Stocks on hand, June 30	do	525, 395	338, 173	708, 662	841, 406	981, 500	4, 900, 772
Facilities operated:							
Production ⁵	Number	268	311	220	201	178	165
Warehouses ⁶	do	360	339	309	278	241	252
Whiskey:							
Production ⁷	1,000 tax gal. ³	98, 993	41, 562	118, 760	103, 027	149, 545	184, 639
Tax-paid withdrawals	do	81, 267	63, 891	60, 490	74, 356	83, 580	83, 374
Stocks on hand, June 30	do	480, 938	307, 588	643, 280	715, 861	813, 720	898, 410
Rectified spirits and wines, production	1,000 proof gal.	47, 657	118, 863	107, 861	81, 925	83, 804	84, 312
Whiskey, production	do	37, 977	101, 645	94, 908	72, 409	65, 817	64, 518
Still wines:							
Production ⁸	1,000 wine gal. ⁹	212, 368	314, 983	297, 857	380, 220	511, 295	400, 373
Tax-paid withdrawals ¹⁰	do	82, 571	91, 752	135, 581	136, 270	147, 554	151, 476
Stocks on hand, June 30 ^{10, 11}	do	93, 421	103, 930	128, 433	128, 475	142, 575	140, 677
Effervescent wines: ¹²							
Production	do	482	1, 551	1, 061	1, 716	4, 113	3, 953
Tax-paid withdrawals	do	419	1, 263	1, 047	1, 561	3, 206	3, 402
Stocks on hand, June 30	do	660	1, 132	1, 619	1, 401	2, 712	2, 022

¹ Barrels of 31 wine gallons.

² Prior to 1960, net production obtained by deducting total products used in redistillation from gross production of neutral product (spirits); thereafter, each kind of distilled spirits used in redistillation was deducted from gross production of same kind.

³ A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon. For spirits of less than 100 proof the tax gallon is equivalent to the wine gallon.

⁴ Includes alcohol and spirits under 100 proof.

⁵ Prior to 1960, represents registered distilleries, fruit distilleries, and industrial alcohol plants. In some instances a plant was operated at different times in more than 1 of these categories and was counted in each.

⁶ Prior to 1960, represents internal revenue bonded warehouses and industrial alcohol bonded warehouses.

⁸ Production represents total amount removed from fermenters, including distilling material (substandard wines produced with excessive water or residue materials). In 1961, 324,825,116 gallons of distilling materials were produced.

⁹ Standard U.S. gallon.

¹⁰ Includes special natural wines.

¹¹ Excludes distilling materials.

¹² Includes champagne, other effervescent wines, and artificially carbonated wines.

Source of tables 1109 and 1110: Treasury Department, Internal Revenue Service; annual report, *Statistics Relating to the Alcohol and Tobacco Industries*, and records.

No. 1111. DISTILLED SPIRITS, MALT LIQUORS, AND WINES—APPARENT AVERAGE ANNUAL PER CAPITA CONSUMPTION: 1930 TO 1961

[In gallons, except distilled spirits in tax gallons. For years ending June 30. Beginning 1958, includes Alaska and Hawaii]

YEAR	DISTILLED SPIRITS			MALT LIQUORS			WINES		
	Total	Domes- tic	Im- ported	Total	Domes- tic	Im- ported	Total	Domes- tic	Im- ported
1930 ¹	0.08	0.08	(2)	10.45	10.44	0.01	0.03	0.03	(2)
1935.....	0.70	0.67	0.03	12.58	12.57	0.01	0.30	0.28	0.02
1940.....	1.02	0.93	0.09	18.86	18.70	0.07	0.73	0.66	0.03
1945.....	1.22	1.05	0.17	17.26	17.24	0.02	0.98	0.70	0.03
1950.....	1.02	0.92	0.10	16.00	15.92	0.08	0.80	0.91	0.02
1951.....	1.23	1.09	0.14	16.97	16.95	0.02	0.87	0.84	0.03
1952.....	1.00	0.87	0.13	16.94	16.92	0.02	0.85	0.82	0.03
1953.....	1.10	0.96	0.14	16.79	16.76	0.03	0.90	0.86	0.04
1954.....	1.12	0.97	0.15	16.68	16.65	0.03	0.86	0.82	0.04
1955.....	1.07	0.92	0.15	16.13	16.09	0.04	0.80	0.85	0.04
1956.....	1.13	0.97	0.16	16.04	16.00	0.04	0.89	0.84	0.05
1957.....	1.17	0.99	0.18	15.54	15.49	0.05	0.89	0.86	0.03
1958.....	1.12	0.94	0.18	15.14	15.03	0.06	0.89	0.81	0.05
1959.....	1.14	0.94	0.20	15.25	15.19	0.06	0.89	0.84	0.05
1960.....	1.20	0.99	0.21	15.46	15.39	0.07	0.90	0.84	0.06
1961.....	1.19	0.97	0.22	15.04	14.97	0.07	0.91	0.85	0.06

¹ Includes quantities withdrawn for certain manufacturing, compounding, medicinal, and sacramental uses.

² Less than 0.005.

Source: Department of Commerce, Business and Defense Services Administration.

No. 1112. TOBACCO PRODUCTS—MANUFACTURED TOBACCO, CIGARS, AND CIGARETTES: 1931 TO 1961

[Data relate to products manufactured in conterminous U.S. factories and exclude cigars produced in customs bonded manufacturing warehouses. See also *Historical Statistics, Colonial Times to 1957*, series P 194-196]

YEARLY AVERAGE OR YEAR	TOBACCO							Cigars ¹	Ciga- rettes ¹
	Total	Smoking	Scrap chewing	Fine-cut chewing	Plug	Twist	Snuff		
	1,000	1,000	1,000	1,000	1,000	1,000	1,000	Mil- lions	Mil- lions
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>		
1931-1940.....	347,057	194,030	46,277	4,182	59,532	5,716	37,311	5,122	147,922
1941-1950.....	285,160	137,013	45,304	3,892	51,145	5,872	40,983	5,593	331,097
1951-1960.....	105,265	81,330	35,546	2,907	33,907	4,246	37,250	6,164	442,503
1950.....	235,180	107,731	39,010	2,738	40,242	5,467	39,902	5,468	391,956
1951.....	227,151	101,324	39,088	2,817	39,918	4,551	39,453	5,604	418,803
1952.....	220,420	96,752	38,228	2,810	39,058	4,803	38,760	5,802	435,549
1953.....	209,368	86,599	38,130	2,855	38,053	4,070	39,052	5,073	423,070
1954.....	203,650	83,718	36,584	2,941	36,943	4,921	38,543	5,882	401,840
1955.....	199,120	79,991	35,977	2,954	36,503	4,474	39,221	5,834	412,309
1956.....	184,910	71,517	35,501	2,879	33,083	4,268	37,712	5,830	424,247
1957.....	178,902	70,540	33,051	2,810	31,647	3,967	36,068	5,952	442,328
1958.....	180,067	76,040	33,025	2,881	29,561	3,765	34,796	6,395	470,068
1959.....	175,663	73,180	32,990	3,088	28,547	3,622	34,286	7,298	480,865
1960.....	173,309	73,829	31,972	3,072	26,408	3,419	34,599	6,917	506,044
1961 (prel.).....	173,160	74,162	32,747	3,200	26,024	3,269	33,759	6,613	528,332

¹ Large and small.

Source: Treasury Department, Internal Revenue Service; annual report, *Statistics Relating to the Alcohol and Tobacco Industries*.

No. 1113. SMOKING PATTERNS, BY COLOR, URBAN-RURAL RESIDENCE, AND AGE, BY SEX: 1955

[In thousands of persons 18 years old and over. Excludes Alaska and Hawaii. Excludes Armed Forces, inmates of penal and mental institutions, and inmates of homes for the aged, infirm, and needy. Data classified by smoking habits existing at time of interview (February 1955). Among smokers, the same person may be included in more than one category; e.g., smoke both cigarettes and cigars. Figures (except population) exclude persons not reporting on smoking habits. Based on Current Population Survey (see Technical Note, p. 213).]

COLOR, RESIDENCE, AND AGE (IN YEARS)	MALE								FEMALE					
	Total per- sons	Non- smoker of ciga- rettes		Cigarette smoker		Cigar smoker		Pipe smoker		Total per- sons	Non- smoker of ciga- rettes		Cigarette smoker	
		Occa- sional ¹	Regu- lar ²	Occa- sional ¹	Regu- lar ²	Occa- sional ¹	Regu- lar ²	Occa- sional ¹	Regu- lar ²		Occa- sional ¹	Regu- lar ²	Occa- sional ¹	Regu- lar ²
Total	49,681	20,219	2,005	24,667	7,391	2,636	4,630	3,645	55,096	38,048	2,086	12,986		
By color:														
White	44,870	18,452	1,691	22,387	6,772	2,343	4,310	3,370	49,645	34,393	1,793	11,737		
Nonwhite	4,711	1,767	314	2,280	610	293	320	275	5,451	3,655	293	1,240		
By residence:														
Urban	32,572	12,616	1,312	16,791	4,886	1,975	3,086	2,191	37,453	24,542	1,601	9,855		
Rural nonfarm	10,456	4,330	403	5,187	1,593	469	1,040	822	11,473	8,210	369	2,542		
Rural farm	6,533	3,264	200	2,680	912	192	504	632	6,170	5,206	116	589		
By age:														
18 to 24	5,405	2,202	202	2,605	481	70	408	174	7,460	4,651	369	2,118		
25 to 34	11,065	3,404	377	6,655	1,841	326	1,206	483	12,196	6,950	589	4,102		
35 to 44	10,755	3,437	398	6,280	1,727	466	1,200	622	11,484	7,020	466	3,598		
45 to 54	9,100	3,325	379	4,890	1,415	619	088	635	9,399	6,674	363	2,067		
55 to 64	6,094	3,392	312	2,865	1,024	625	540	672	7,296	6,080	212	707		
65 and over	6,322	4,459	277	1,357	908	540	398	1,059	7,281	6,673	97	246		
Percent	100.0	40.8	4.0	49.8	14.9	5.3	9.3	7.4	100.0	69.1	3.8	23.6		
By color:														
White	100.0	41.1	3.8	49.9	15.1	5.2	9.6	7.5	100.0	69.3	3.8	23.6		
Nonwhite	100.0	37.5	0.7	48.4	18.1	6.2	6.8	5.8	100.0	67.1	5.4	22.9		
By residence:														
Urban	100.0	38.7	4.0	51.5	15.0	8.1	9.5	6.7	100.0	65.5	4.3	26.3		
Rural nonfarm	100.0	41.5	3.9	49.6	15.2	4.5	9.9	7.9	100.0	71.6	3.2	22.2		
Rural farm	100.0	49.8	4.4	41.0	18.9	2.9	7.7	9.6	100.0	85.8	1.9	9.6		
By age:														
18 to 24	100.0	40.7	4.8	48.2	8.9	1.3	7.5	3.2	100.0	62.3	4.0	28.4		
25 to 34	100.0	30.8	3.4	60.1	16.6	2.9	10.9	4.4	100.0	57.0	4.8	34.4		
35 to 44	100.0	32.0	3.7	58.4	16.1	4.2	11.2	5.8	100.0	61.1	4.1	31.3		
45 to 54	100.0	36.5	4.2	53.8	15.5	6.8	10.3	7.0	100.0	71.0	3.8	22.0		
55 to 64	100.0	48.9	4.5	41.3	14.8	0.0	7.8	9.7	100.0	83.3	2.9	10.5		
65 and over	100.0	70.5	4.4	21.5	14.3	8.5	5.3	16.8	100.0	91.9	1.3	3.4		

¹ Does not smoke daily, but smokes once in a while.

² Smokes every day.

Source: Department of Health, Education, and Welfare, Public Health Service; *Tobacco Smoking Patterns in the United States*. (Public Health Monograph No. 45; PHS Publication No. 463, 1956.)

No. 1114. TOBACCO PRODUCTS—CONSUMPTION PER PERSON 15 YEARS OLD AND OVER: 1900 TO 1961

[In pounds (unstemmed processing weight). Excludes Alaska and Hawaii. Beginning 1940, population base includes Armed Forces overseas. There are approximately 339 cigarettes, and 42.8 small cigars, per pound of tobacco.]

YEAR	Total	Cigars	Cigarettes	Tobacco ¹	YEAR	Total	Cigars	Cigarettes	Tobacco ¹
1900	7.43	1.90	0.16	5.28	1940	0.12	1.36	5.16	2.60
1905	8.61	2.31	0.10	6.11	1945	12.45	1.26	9.15	2.04
1910	8.59	2.19	0.41	5.99	1950	11.98	1.18	9.37	1.41
1915	8.40	2.17	0.82	5.41	1955	11.05	1.20	9.50	1.16
1920	8.67	2.45	1.89	4.33	1957	11.42	1.09	9.32	1.01
1925	8.98	1.99	2.96	4.03	1958	11.63	1.09	9.53	1.00
1930	8.85	1.67	3.84	3.84	1959	211.50	21.10	9.42	0.66
1935	8.21	1.30	4.11	2.80	1960	211.57	21.08	9.56	0.63
					1961 (prel.)	211.82	21.08	9.82	0.62

¹ Smoking and chewing tobacco and snuff.

² Total includes small cigars not shown separately but formerly included in cigars.

Source: Department of Agriculture, Economic Research Service; quarterly report, *Agricultural Economics* Research, Vol. VIII, No. 1, and records.

Fabrics

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No. 1115. BROAD-WOVEN FABRICS—PRODUCTION, BY TYPE: 1947 TO 1961

[In millions of linear yards; in terms of gray goods except woolen and worsted which are in terms of finished yardage. Excludes Alaska and Hawaii. Fabrics composed of a mixture of fibers classified according to primary fiber content, except as noted]

PRODUCT	1947	1950	1954	1955	1959	1960	1961 (prel.)
Total goods.....	12,371	13,105	12,518	13,119	12,409	12,055	11,841
Cotton woven goods over 12 inches in width, except tire fabrics.....	9,817	10,027	9,891	10,175	9,599	9,366	9,156
Cotton duck.....	206	249	240	242	223	206	216
Sheeting and allied coarse and medium yarn fabrics.....	3,039	2,737	2,494	2,587	2,504	2,482	2,431
Print cloth yarn fabrics.....	3,293	3,663	4,039	3,968	3,383	3,320	3,224
Napped fabrics.....	502	413	233	241	206	202	181
Colored yarn fabrics.....	762	860	739	699	520	440	418
Fine cotton goods (all combed, part-combed, and fine carded goods).....	1,313	1,218	1,244	1,379	1,000	1,705	1,057
Towels, toweling, washcloths, and terrywoven fabrics other than towels.....	409	454	455	502	572	548	576
Specialties and all other fabrics.....	307	433	447	557	492	452	452
Rayon and acetate.....	1,977	2,406	1,731	1,928	1,618	1,434	1,459
Pile, upholstery, drapery, tapestry, and tie fabrics.....	57	38	88	118	190	197	172
100 percent filament rayon and/or acetate fabrics.....	1,237	1,601	848	887	667	660	694
Flat fabrics.....	652	860	819	717	568	578	591
Twisted yarn fabrics.....	585	741	229	170	99	82	103
100 percent spun rayon and/or acetate fabrics.....	332	434	445	528	309	224	238
Combination filament and spun rayon and/or acetate fabrics.....	179	202	119	109	121	82	84
All other rayon mixtures.....	172	131	230	285	331	271	271
Woolen and worsted, except woven felts ¹	516	471	284	318	311	286	285
Apparel fabrics.....	448	301	202	298	303	281	270
Woolen.....	245	215	(3)	(3)	(2)	(2)	(2)
Worsted.....	208	176	(2)	(2)	(2)	(2)	(2)
Nonapparel fabrics.....	67	80	22	20	7	6	6
Silk, nylon, glass, and other ²	62	201	612	690	881	970	941
Nylon fabrics, including mixtures.....	22	4110	383	395	(4)	(4)	(4)
Silk fabrics, including mixtures.....	10	29	42	43	29	27	24
Other woven fabrics, not classified above.....	20	62	186	261	852	943	917

¹ Through 1950, comprises all fabrics containing more than 25 percent wool; thereafter, fabrics containing 50 percent or more wool.

² Not available. ³ Includes fabrics made of acrylic, vinyl, protein, etc., fibers.

⁴ Nylon mixtures included with other fabrics.

⁵ Nylon fabrics included with other woven fabrics.

Source: Department of Commerce, Bureau of the Census; 1947 and 1954 Censuses of Manufactures reports and Current Industrial Reports, Series M22T.

No. 1116. COTTON AND MAN-MADE FIBER FABRICS, BLEACHED, DYED, OR PRINTED: 1947 TO 1960

[In millions of linear yards. Excludes Alaska and Hawaii. Fabrics are classified by chief fiber content]

PRODUCT	1947	1950	1954	1955	1958	1959	1960 (prel.)
Bleached, dyed, or printed goods.....	8,915	9,329	9,595	10,502	9,408	10,112	9,429
Cotton.....	9,944	7,063	7,407	8,144	7,341	7,891	7,320
Man-made fiber fabrics and silk ¹	1,971	2,266	2,188	2,358	2,067	2,221	2,109
Bleached and white finished goods.....	3,815	3,467	3,876	3,668	3,481	3,591	3,423
Cotton.....	3,616	3,296	3,180	3,346	3,188	3,338	3,138
Man-made fiber fabrics and silk ¹	199	170	197	321	293	254	285
Plain dyed and finished goods.....	3,176	3,950	3,982	4,320	3,854	4,300	3,950
Cotton.....	1,757	2,166	2,308	2,671	2,352	2,650	2,430
Man-made fiber fabrics and silk ¹	1,419	1,784	1,673	1,648	1,502	1,649	1,520
Printed and finished goods ²	1,924	1,912	2,237	2,514	2,074	2,221	2,056
Cotton.....	1,571	1,601	1,919	2,126	1,801	1,903	1,762
Man-made fiber fabrics and silk ¹	359	311	318	389	273	318	304

¹ Comprises fabrics made of rayon, acetate, nylon, silk, glass, acrylic fibers, etc.

² Includes roller, screen, flock and block printed fabrics.

Source: Department of Commerce, Bureau of the Census; 1947 and 1954 Censuses of Manufactures reports and Current Industrial Reports, Series M22S and M225 (60-1).

Manufactures

No. 1117. MILL CONSUMPTION OF COTTON, WOOL, MAN-MADE FIBERS, FLAX, AND SILK: 1930 TO 1960

[In millions of pounds, except per capita in pounds. Excludes Alaska and Hawaii. Per capita figures based on population estimates as of July 1, including Armed Forces overseas]

YEAR	COTTON ¹		WOOL (scoured basis) ²		MAN-MADE FIBERS				FLAX ³		SILK ⁴	
					Rayon and acetate ⁵		Other ⁶					
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
1930.....	2,617	21.26	263	2.14	119	0.97	-----	-----	16	0.13	81	0.05
1935.....	2,755	21.60	418	3.28	259	2.04	-----	-----	18	0.10	72	0.07
1940.....	3,950	29.97	408	3.09	482	3.65	4	0.03	12	0.09	48	0.30
1945.....	4,516	32.28	645	4.61	770	5.50	50	0.36	7	0.05	1	0.01
1950.....	4,683	30.87	635	4.18	1,350	8.01	141	0.93	11	0.07	11	0.07
1951.....	4,860	31.53	484	3.14	1,275	8.27	196	1.27	11	0.07	7	0.05
1952.....	4,471	28.48	466	2.07	1,215	7.74	249	1.50	7	0.04	13	0.03
1953.....	4,456	27.92	494	3.10	1,223	7.06	279	1.75	8	0.05	8	0.03
1954.....	4,127	25.41	384	2.37	1,155	7.11	329	2.02	7	0.04	9	0.05
1955.....	4,382	26.51	414	2.50	1,410	8.50	432	2.61	8	0.05	11	0.07
1956.....	4,363	25.94	441	2.62	1,201	7.14	484	2.87	8	0.05	13	0.03
1957.....	4,660	23.72	369	2.15	1,177	6.88	568	3.28	7	0.04	8	0.05
1958.....	3,867	22.21	331	1.90	1,127	0.47	575	3.30	4	0.02	5	0.03
1959.....	4,336	24.46	431	2.43	1,252	7.06	741	4.18	4	0.02	8	0.05
1960 (prel.)	4,199	23.24	407	2.25	1,056	5.84	761	4.21	5	0.03	7	0.01

¹ Reported by Bureau of the Census. For American cotton, tare as reported by Crop Reporting Board deducted. For foreign cotton, 16 pounds deducted.

² Reported by Bureau of the Census. Beginning 1950, excludes consumption in cotton and other spinning systems and consumption in batting and felt manufacture.

³ From *Textile Organon*. Represents domestic shipments plus imports for consumption.

⁴ From *Textile Organon*. Represents domestic production less exports plus imports for consumption.

⁵ Through 1952, represents imports for consumption reported by Bureau of the Census plus estimated production by (a) Bureau of Plant Industry through 1945 and (b) Portland, Oreg., office of Agricultural Marketing Service, 1950 to 1952; beginning 1953, imports for consumption reported by Bureau of the Census.

⁶ Compiled from reports of Bureau of the Census. For 1930, general imports less reexports; beginning 1935, imports for consumption.

Source: Department of Agriculture, Economic Research Service; records. (Through 1954, published in Department of Commerce, Business and Defense Services Administration; *Wool and Man-Made Fibers in the United States*.)

No. 1118. TIRE CORD AND FABRICS—PRODUCTION, BY KIND: 1947 TO 1961

[In thousands of pounds. Excludes Alaska and Hawaii]

PRODUCT	1947	1950	1955	1959	1960	1961
Tire cord and fabrics.....	565,261	523,033	524,354	469,634	418,439	398,053
Man-made fibers.....	214,576	296,933	456,093	430,001	388,482	372,587
Rayon tire cord, not woven.....	125,638	150,082	406,889	296,892	239,600	213,376
Rayon tire cord fabric, woven.....	118,938	1246,901	(1)	124,142	139,082	148,815
Nylon tire cord and tire cord fabric.....	(1)	(1)	49,204	8,967	9,791	10,308
Chaser fabric and all other tire fabrics.....	(1)	(1)	(1)	(1)	(1)	(1)
Cotton.....	350,685	226,050	68,261	39,633	29,957	26,066
Tire cord and tire cord fabrics.....	285,076	165,395	16,742	3,509	2,887	3,130
Chaser fabric and all other tire fabrics.....	65,609	60,655	2 51,519	36,034	27,070	22,938

¹ Data for nylon included with rayon.

² Man-made fiber chaser fabric and all other tire fabrics included with cotton chaser fabric and all other tire fabrics.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Current Industrial Reports*, Series M22T.4, and M22T.4(60)-5.

No. 1119. COTTON-SYSTEM SPINDLES, COTTON CONSUMPTION, AND STOCKS: 1930 TO 1961

[For years ending July 31. Excludes Alaska and Hawaii. Consumption and stocks are expressed in running bales, counting round as half bales, except foreign cotton for all years which is in equivalent 500-pound bales. See also *Historical Statistics, Colonial Times to 1957*, series P 197, for total cotton consumed including linters]

YEAR	COTTON-SYSTEM SPINDLES (1,000)				Spindle hours consuming 100% cotton (millions)	COTTON CONSUMED, EXCLUDING LINTERS (1,000 bales) ³				
	Total in place ¹	Active ²				Total	Cotton-growing States	New England	Other States	
		Total	Cotton-growing States	New England						
1930	34,025	31,245	18,586	11,351	1,308	87,515	6,106	4,749	1,148	
1935	30,093	26,701	18,212	7,763	726	72,526	5,361	4,306	818	
1940	24,750	23,536	17,641	5,270	666	97,008	7,784	6,647	918	
1945	23,128	22,678	17,610	4,511	554	111,898	9,598	8,455	891	
1950	22,905	21,790	17,073	3,739	378	109,243	8,851	8,030	664	
1951	23,195	22,140	18,129	3,637	374	126,852	10,654	9,642	840	
1952	23,205	21,298	18,119	2,927	252	106,932	9,120	8,443	550	
1953	22,003	21,423	18,128	3,668	229	118,206	9,224	8,731	601	
1954	22,694	20,626	17,957	2,522	147	109,705	8,576	8,011	499	
1955	22,273	20,716	18,230	2,342	144	113,447	8,841	8,358	427	
1956	21,903	20,557	18,283	2,140	134	117,748	9,141	8,038	446	
1957	21,195	19,760	18,110	1,515	126	112,108	8,728	8,320	365	
1958	20,845	19,241	17,720	1,395	126	101,900	7,073	7,629	207	
1959	20,274	19,248	17,799	1,300	89	108,663	8,671	8,313	314	
1960	19,956	19,222	17,801	1,330	90	113,452	9,016	8,670	309	
1961	19,603	18,986	17,770	1,150	66	104,561	8,252	7,946	273	

YEARLY AVERAGE OR YEAR	CONSUMPTION (1,000 bales)						STOCKS AT END OF YEAR (1,000 bales) ⁴		
	Cotton, excluding linters						Cotton, excluding linters		
	Total	Domestic				Foreign	Linters	Total	Domestic
		Total	Upland	Sea Island	American-Egyptian				Foreign
1931-1935	5,460	5,325	5,311	1	14	140	720	1,116	1,061
1936-1940	6,938	6,799	6,780	2	18	139	836	7,183	7,080
1941-1945	10,301	10,151	10,105	3	42	149	1,309	10,384	10,233
1946-1950	9,038	8,829	8,820	1	8	200	1,243	4,678	4,570
1951-1955	9,323	9,195	9,177	1	17	120	1,376	6,103	6,020
1956-1960	8,706	8,614	8,564	1	48	92	1,379	9,843	9,805
1960	8,851	8,669	8,666	1	2	182	1,616	6,496	6,399
1961	10,654	10,437	10,452	1	34	167	1,396	2,144	2,032
1952	9,120	9,030	9,011	1	24	84	1,308	2,569	2,500
1953	9,425	9,292	9,280	1	11	133	1,359	5,346	5,252
1954	8,576	8,446	8,439	(6)	6	131	1,324	9,473	9,398
1955	8,841	8,713	8,705	(6)	9	128	1,474	10,985	10,920
1956	9,141	9,018	8,987	2	20	123	1,789	13,738	13,699
1957	8,728	8,661	8,591	3	67	67	1,438	11,026	10,987
1958	7,973	7,899	7,855	(6)	44	73	1,102	8,446	8,411
1959	8,671	8,581	8,535	(6)	46	90	1,210	8,661	8,622
1960	9,016	8,909	8,853	(6)	56	107	1,446	7,344	7,307
1961	8,262	8,150	8,084	(6)	75	93	1,281	6,681	6,640

¹ Prior to 1950, represents all spindles in place used exclusively for spinning cotton; thereafter, represents all spindles in place regardless of fiber spun.

² Prior to 1950, represents sum of greatest number of cotton spindles reported by each mill as active at any time during year, regardless of length of time operated; thereafter, comprises cotton-system spindles active last day of year, regardless of type of fiber spun. On July 31, 1961, there were 17,273,000 spindles active on cotton, 1,087,000 on synthetics, 628,000 on other fibers and blends, and 617,000 idle.

³ Includes foreign and domestic cotton.

⁴ Cotton stocks prior to 1938 and linters stocks for all years are stocks held by consuming establishments. Cotton stocks beginning in 1938 include stocks at public storage and compresses.

⁵ Less than 500 bales.

Source: Department of Commerce, Bureau of the Census; annual report, *Cotton Production and Distribution*.

No. 1120. WOOL—STOCKS, PRODUCTION, PRICE, IMPORTS, AND EXPORTS: 1936 TO 1961

[Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 240-241, for shorn production and price]

ITEM	1936-1940, average	1941-1945, average	1946-1950, average	1951-1955, average	1956-1960, average
Sheep and lambs shorn.....	1,000	45,069	45,366	20,402	27,817
Weight per fleece.....	pound	8.0	7.9	8.1	8.4
Shorn wool production.....	1,000 lb.	360,583	360,191	238,789	234,150
Price per pound ¹	cents	25.7	40.3	49.0	20.4
Pulled wool production.....	1,000 lb.	64,080	68,340	46,500	37,380
Apparel wool, grease basis:					
Total production.....	do	425,203	428,531	285,289	271,510
Imports, less reexports ²	do	122,583	4,056,091	4,466,246	279,946
Exports, domestic ³	do	412	12,869	10,491	628
Total new supply ⁴	do	547,434	4,071,763	4,740,740	550,828
Carpet wool, imports ³	do	132,977	100,058	254,079	162,038

ITEM	1955	1957	1958	1959	1960	1961 (prel.)
Stocks of apparel wool, April 1 ⁵	1,000 lb.	150,671	122,346	115,104	91,929	100,730
Sheep and lambs shorn.....	1,000	28,149	28,415	29,408	30,763	31,064
Weight per fleece.....	pound	8.6	8.4	8.3	8.4	8.5
Shorn wool production.....	1,000 lb.	241,284	239,101	243,713	250,039	265,480
Price per pound ¹	cents	42.8	53.7	36.4	43.8	42.0
Pulled wool production.....	1,000 lb.	41,600	33,600	30,400	34,500	33,600
Apparel wool, grease basis:						
Total production.....	do	282,884	272,701	274,113	294,439	299,080
Imports, less reexports ²	do	169,054	111,809	97,130	146,177	106,321
Exports, domestic ³	do	288	2,452	5,150	9	263
Total new supply ⁴	do	451,653	382,058	366,003	440,007	405,738
Carpet wool, imports ³	do	186,958	161,976	160,949	248,978	202,439

¹ Price received by farmers. Weighted season average 1946 to date, weighted calendar average earlier years. Season April-March. ² Includes an allowance for wool under loan.

³ Actual weight. Imports for consumption. Prior to 1942, carpet wool includes only Donskoi, Smyrna, East Indian, Chinese, and similar wools without merino or English blood, and apparel wool includes all other wools; thereafter, carpet wool includes all duty-free wool and apparel wool includes all dutiable wool.

⁴ For 1942-1946, excludes a total of 506 million pounds of duty-free wool imported and stored in this country largely for the British Government, and later re-exported; not available to domestic mills.

⁵ Prior to 1943 includes hair of angora goat, alpaca, and similar animals. Includes a small amount of carpet wool beginning 1943. From January 1952, reported on "clean content" basis only.

⁶ Production, minus exports, plus imports; stocks not taken into consideration. ⁷ Scoured basis.

⁸ January 1. ⁹ Weighted average price for wool sold April 1961-January 1962.

Source: Department of Agriculture, Statistical Reporting Service; annual report, *Agricultural Statistics*. Exports and imports from Department of Commerce, Bureau of the Census.

No. 1121. WOOL CONSUMED IN MANUFACTURES: 1930 TO 1961

[In millions of pounds. Excludes Alaska and Hawaii. Scoured wool, plus greasy wool reduced to a scoured basis, assuming average yields varying with class, origin, grade, and whether shorn or pulled. See also *Historical Statistics, Colonial Times to 1957*, series P 198]

YEAR	SCOURED BASIS			YEAR	SCOURED BASIS			YEAR	SCOURED BASIS		
	Total ¹	Ap- parel class ²	Car- pet class		Total ¹	Ap- parel class ²	Car- pet class		Total ¹	Ap- parel class ²	Car- pet class
1930.....	263.2	200.7	62.5	1950.....	634.8	436.9	197.9	1950.....	440.7	296.6	144.1
1935.....	417.5	310.0	98.5	1951.....	484.1	382.1	102.0	1957.....	368.8	240.9	127.9
1940.....	407.9	310.0	97.9	1952.....	466.4	346.8	119.6	1958.....	331.1	212.0	110.1
1945.....	645.1	589.2	55.9	1953.....	494.0	358.0	135.9	1959.....	431.2	262.8	168.4
1948.....	693.1	485.2	207.9	1954.....	380.8	266.3	114.5	1960.....	406.9	244.3	162.7
1949.....	500.4	339.0	161.4	1955.....	413.8	281.2	132.6	1961 (prel.)	400.9	262.8	147.1

¹ Wool regarded as more or less suitable for apparel purposes; formerly "Combing and clothing."

² Beginning 1948, includes raw wool consumed on woollen and worsted systems only.

Source: Department of Commerce, Bureau of the Census; monthly data are published in *Current Industrial Reports*, Series M22D and M22D(60)-13.

Wool—Garments

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No. 1122. WOOL MANUFACTURING MACHINERY IN PLACE: 1947 TO 1961

[As of end of year, except as noted. Excludes Alaska and Hawaii. Machinery in place is that which is set up in operating position]

YEAR	Worsted combs	Woolen spinning spindles	Worsted spinning spindles	Woolen and worsted looms	WOOL CARPET AND RUG LOOMS ¹	
					Broad	Narrow
1947	2,656	1,501,198	1,920,542	38,572	2,320	3,354
1948	2,679	1,555,127	1,863,385	38,146	2,350	3,209
1949	2,720	1,423,860	1,836,744	37,403	2,307	2,901
1950	2,808	1,308,139	1,814,430	36,337	2,338	2,556
1951	2,859	1,233,468	1,811,394	34,817	2,245	2,210
1952	2,694	1,127,077	1,601,088	33,811	2,220	2,262
1953 ²	2,738	1,067,328	1,651,356	31,008	2,209	2,262
1954	(3)	(3)	(3)	(3)		5,411
1955	2,092	817,254	925,736	21,734	(3)	
1956	1,751	752,717	809,022	19,429	(3)	
1957	1,560	746,063	741,886	18,849	(3)	
1958	1,558	728,323	712,696	17,300		3,234
1959	1,526	711,872	688,526	17,251	(3)	
1960	1,494	696,525	654,480	16,068	(3)	
1961	1,564	643,738	632,238	15,490	(3)	

¹ For 1954, machinery in possession. For other years, machinery in place.

² End of June, except woolen and worsted looms.

³ Not available.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M22E, a special tabulation from Series M22T, and the Census of Manufactures.

No. 1123. KNIT GOODS: CLOTH, UNDERWEAR, AND OUTERWEAR—PRODUCTION BY TYPE: 1947 TO 1961

[Beginning 1960, includes Alaska and Hawaii]

PRODUCT	Unit	1947	1950	1955	1958	1959	1960	1961 (prel.)
Finished knit cloth for sale ¹	Million lb	152.6	102.8	181.0	210.6	243.0	247.7	280.3
Warp knit fabrics	do	41.5	47.2	54.9	63.6	77.8	81.5	88.2
Circular knit fabrics	do	111.1	115.6	127.0	147.0	165.2	166.2	192.1
Knit underwear and nightwear:								
Made from warp knit fabrics, all fibers	1,000 doz	7,708	16,617	(3)	(3)	(3)	(3)	(3)
Made from circular knit fabrics:								
Rayon, silk, and synthetics	do	10,932	12,371	(3)	(3)	(3)	(3)	(3)
Cotton and wool	do	40,557	43,271					
Knit outerwear:								
Sweaters, jackets, and jerseys	do	6,677	8,733	10,119	13,788	13,074	12,661	13,315
Bathing suits and trunks	do	500	328	336	596	882	1,080	1,270
Knit headwear	do	1,556	1,599	1,420	1,482	1,520	1,531	1,690

¹ Beginning 1950, represents shipments.

² Not available.

Source: Department of Commerce, Bureau of the Census; 1947 and 1958 Censuses of Manufactures reports and *Current Industrial Reports*, Series M22K and M23A.

No. 1124. WOMEN'S, MISSES', AND JUNIORS' OUTERWEAR—SELECTED GARMENTS CUT: 1947 TO 1961

[Beginning 1960, includes Alaska and Hawaii]

TYPE OF GARMENT	Unit	1947	1950	1955	1958	1959	1960	1961 (prel.)
Blouses	1,000 dozens	7,496	10,764	14,880	14,163	15,401	15,456	16,078
Unit price dresses	1,000 units	127,791	139,607	150,445	145,485	154,945	153,209	158,660
Dozen price dresses	1,000 dozens	75,456	9,097	9,162	8,149	8,561	8,121	7,970
Suits	1,000 units	14,352	18,048	13,638	8,900	9,678	9,713	9,844
Skirts	1,000 dozens	2,020	4,784	6,675	7,205	8,410	8,546	8,496
Untrimmed coats	1,000 units	18,956	22,598	22,526	21,748	22,359	20,886	20,830
Trimmed coats	do	1,924	2,105	1,469	1,663	2,372	2,543	3,520

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Current Industrial Reports*, Series M23A.

No. 1125. MEN'S AND BOYS' CLOTHING—SELECTED GARMENTS CUT: 1947 TO 1961

(Beginning 1960, includes Alaska and Hawaii)

TYPE OF GARMENT	Unit	1947	1950	1955	1958	1959	1960	1961 (prel.)
Suits.....	1,000 units.....	28,882	27,145	23,857	21,464	25,680	26,514	24,374
Men's.....	do.....	26,428	23,605	20,280	17,932	21,111	21,430	19,144
Boys'.....	do.....	2,454	3,450	3,577	3,532	4,578	5,084	5,230
Separate trousers ¹	do.....	60,005	65,819	67,355	73,405	90,923	99,130	89,576
Separate coats.....	do.....	5,286	8,855	10,284	11,589	13,594	13,930	13,700
Men's and youths'.....	do.....	4,760	7,039	7,932	8,470	9,853	10,097	9,990
Boys'.....	do.....	526	1,816	2,302	3,119	3,741	3,833	3,710
Dress and sport shirts, men's.....	1,000 dozens.....	17,042	18,100	21,757	21,304	22,882	22,687	22,480
Overalls.....	do.....	9,807	9,824	9,758	8,402	7,480	7,127	(?)
Men's.....	do.....	4,241	6,100	4,854	3,764	2,864	2,766	3,410
Boys'.....	do.....	2,566	3,724	4,899	4,698	4,016	4,361	(?)
Work shirts (includes flannel).....	do.....	5,815	5,796	5,067	4,147	4,048	3,715	(?)
Men's.....	do.....	4,950	5,471	4,557	3,811	3,949	3,048	3,611
Boys'.....	do.....	856	325	510	330	99	67	(?)

¹ Beginning 1955, men's only.² Not available.Source: Department of Commerce, Bureau of the Census; monthly data published in *Current Industrial Reports*, Series M23A and M23B.

No. 1126. HOSIERY—PRODUCTION, BY TYPE: 1950 TO 1961

[In thousands of dozens of pairs. Excludes Alaska and Hawaii. Excludes slipper socks]

TYPE	1950	1955	1957	1958	1959	1960	1961
Total, all types.....	160,046	151,911	145,048	148,644	156,286	154,865	168,464
Women's and misses' (full- and knee-length).....	59,033	59,905	57,696	59,827	63,123	64,875	70,053
Full-fashioned.....	51,554	47,250	37,949	36,462	33,128	28,735	22,309
Nylon.....	51,032	46,981	37,746	36,319	32,973	28,604	22,211
All other.....	552	269	203	143	155	131	90
Seamless.....	7,449	12,655	19,747	23,305	29,995	30,140	47,744
Nylon.....	4,303	10,682	18,609	22,219	28,976	35,337	40,990
Rayon.....	1,161	506	262	270	257	172	176
Cotton.....	1,619	1,209	745	805	711	536	530
All other.....	366	218	71	62	51	45	48
Men's.....	63,181	56,503	50,612	50,846	52,506	51,184	50,892
Half-hose.....	14,057	8,012	6,997	5,211	5,348	6,080	4,646
Cotton.....	7,271	5,375	4,347	3,206	3,076	3,642	2,792
Nylon.....	639	1,169	902	753	855	936	607
Rayon.....	4,281	1,178	766	611	639	678	670
Wool.....	1,862	1,143	818	551	650	616	558
All other.....	4	57	104	90	128	164	140
Slack socks and anklets.....	36,630	37,590	34,209	36,208	36,206	31,716	35,543
Cotton ²	24,483	23,429	20,075	21,365	22,266	20,064	21,480
Nylon.....	3,038	9,486	9,546	9,765	8,324	7,452	9,250
Rayon.....	7,832	2,974	2,549	2,750	2,457	2,123	2,157
Wool.....	1,303	1,543	1,643	1,692	1,845	598	748
Other.....	4	158	396	717	1,314	1,470	1,908
Athletic socks.....	2,354	2,106	2,006	2,991	3,689	3,776	3,188
Cotton.....	278	347	501	661	940	1,172	1,113
Wool.....	2,076	1,750	2,105	2,330	2,740	2,604	2,075
Crew socks ³	3,082	2,148	1,384	1,798	1,838	3,475	2,872
Bundle goods.....	7,058	5,747	5,416	4,548	5,425	6,131	4,743
Boys', children's, infants', and women's and misses'.....	37,832	35,503	36,740	37,971	40,657	38,806	47,519
Boys' anklets, crew socks, golf hose, slack socks and socks ²	5,722	6,156	8,821	9,418	10,573	11,306	14,000
Children's anklets and socks.....	9,966	11,105	9,446	9,902	10,667	9,932	12,524
Infants' anklets, socks, and ribbed hose.....	7,961	5,395	5,704	5,799	6,197	6,415	7,117
Women's and misses' anklets, crew socks, and socks ³	14,183	12,847	12,709	12,792	13,220	11,153	13,873

¹ Full-fashioned included with nylon through 1955; beginning 1957, distributed among other fibers.² Boys' anklets included with men's cotton socks and anklets through 1955.³ Boys' and women's and misses' crew socks included with men's crew socks through 1955.Source: National Association of Hosiery Manufacturers, New York, N.Y., and Charlotte, N.C.; published annually in *Hosiery Statistics*.

No. 1127. SHOES AND SLIPPERS—PRODUCTION, BY CLASS: 1947 TO 1961

[In thousands of pairs. Excludes Alaska and Hawaii. Excludes rubber footwear]

CLASS	1947	1950	1955	1958	1959	1960	1961 (prel.)
Shoes and slippers	484,964	522,532	585,360	587,115	637,364	598,442	599,790
Footwear, except slippers	437,312	404,506	517,300	516,513	558,663	528,864	526,218
Shoes, sandals, and playshoes	420,923	456,611	500,207	504,536	544,179	511,066	514,520
Men's	107,486	103,361	103,601	101,365	110,118	101,485	104,365
Youths' and boys'	19,829	16,721	22,097	23,698	26,168	24,445	24,549
Women's	212,381	236,059	270,908	270,098	292,437	275,541	278,873
Misses'	27,026	32,706	40,755	40,132	43,219	40,180	37,055
Children's	27,035	29,178	33,784	32,483	34,222	33,002	33,400
Infants'	21,604	24,747	38,002	36,160	38,020	36,413	36,277
Babies'	14,502	13,844					
Athletic shoes	4,233	3,044	4,723	5,879	7,694	7,008	6,008
Other footwear	8,156	4,251	3,370	6,128	6,790	6,780	5,690
Slippers for housewear	47,652	58,026	68,069	70,572	78,701	74,588	73,572

¹ Includes 1,657,000 pairs of playshoes other than women's and misses'.Source: Department of Commerce, Bureau of the Census; 1947 and 1958 Censuses of Manufactures reports and *Current Industrial Reports*, Series M81A.

No. 1128. LEATHER—PRODUCTION, BY PRINCIPAL TYPES OF RAW STOCK: 1937 TO 1961

[In thousands. Excludes Alaska and Hawaii]

YEAR	Cattle hide	Calf and whole kip	Goat and kid	Sheep and lamb ¹	YEAR	Cattle hide ²	Calf and whole kip	Goat and kid	Sheep and lamb ¹
1937	22,380	12,027	46,554	84,077	1950	24,383	10,650	37,203	31,307
1938	19,047	12,991	31,905	28,675	1951	22,703	7,955	31,111	24,504
1939	22,095	14,027	40,410	38,914	1952	22,694	9,960	30,418	27,902
1940	21,070	11,337	37,697	37,920	1953	24,070	9,958	32,154	28,264
1941	28,121	13,008	45,373	51,915	1954	24,210	9,366	26,496	23,700
1942	30,828	12,264	41,127	53,620	1955	25,832	10,303	26,109	26,434
1943	25,056	11,112	37,351	59,801	1956	25,008	8,546	25,103	27,241
1944	26,152	10,930	34,653	55,296	1957	25,511	9,217	22,336	25,505
1945	27,566	11,636	24,026	52,450	1958	23,818	8,069	19,002	27,453
1946	27,032	10,882	24,137	47,971	1959	23,167	6,573	22,797	32,064
1947	28,324	12,471	37,188	36,535	1960	21,099	6,332	18,835	30,478
1948	26,070	10,480	37,970	33,492	1961	22,736	6,391	14,865	31,891
1949	23,332	10,173	34,774	28,644					

¹ Includes the flesh side leather of split sheepskins (fleshers) and excludes the grain leather (skivers).² Beginning 1934, includes side kip.Source: Tanners' Council of America, Inc. Monthly data published in *Survey of Current Business*.

No. 1129. RUBBER (NATURAL, RECLAIMED, AND SYNTHETIC)—NEW SUPPLY,
DISTRIBUTION, AND STOCKS: 1945 TO 1961

(In tons of 2,240 pounds. Excludes Alaska, Hawaii, and Puerto Rico, except as noted. Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic comprises SBR (including weight of oil content, beginning 1955) Neoprene, butyl, and butadiene-acrylonitrile, all years; beginning 1961, also includes polyisobutylene, chlorosulfonated polyethylene, and polysulfide, silicone, acrylic, styrene, and fluorocarbon rubbers. Reclaimed comprises both natural and synthetic rubber reclaims)

ITEM	1945	1950	1955	1958	1959	1960	1961 ¹
New supply							
Domestic production	1,209,761	1,618,108	1,945,733	1,798,148	2,264,119	2,149,687	2,065,362
Natural	1,064,218	789,100	1,296,382	1,314,203	1,683,707	1,729,233	1,682,513
Reclaimed	636						
Synthetic	243,308	313,006	325,914	259,578	304,145	292,796	280,563
Imports ²	820,378	476,184	970,468	1,054,625	1,379,652	1,436,442	1,401,045
Natural	145,543	828,918	849,351	483,945	580,322	420,449	402,949
Reclaimed	135,136	802,138	637,577	474,409	573,467	410,802	391,080
Synthetic	(4)	1,059	735	231	136	452	110
Distribution	10,407	26,721	11,039	9,305	6,710	9,195	11,659
Domestic consumption	1,142,979	1,590,324	1,960,813	1,837,386	2,237,939	2,203,001	2,077,026
Natural	1,040,045	1,562,290	1,842,480	1,612,500	1,918,180	1,834,808	1,758,503
Reclaimed	105,420	720,268	634,800	484,492	556,044	479,048	425,441
Synthetic	241,636	303,733	312,781	248,156	290,410	276,515	246,910
Exports ³	693,580	638,289	894,899	870,912	1,072,726	1,078,245	1,086,152
Natural	103,934	28,034	118,333	224,826	310,759	368,193	318,523
Reclaimed	6,743	8,840	10,611	16,749	16,264	12,431	6,036
Synthetic	13,413	11,741	13,988	11,362	13,027	13,789	15,320
Stocks, end of year ⁴	83,778	7,053	93,734	196,715	290,488	342,003	296,667
Stocks, end of year ⁵	350,324	177,681	279,342	289,153	320,029	352,884	352,645
Natural	118,715	89,215	110,105	77,897	79,405	77,275	67,982
Reclaimed	28,155	35,708	31,498	29,063	29,628	32,798	30,354
Synthetic	6 203,454	62,768	187,730	186,283	210,996	242,791	254,309

¹ Includes Alaska and Hawaii.

² Excludes 6,786 tons of natural rubber delivered from Government stockpiles for 1959, 88,937 tons for 1960, and 25,781 tons for 1961.

³ Includes Alaska, Hawaii, and Puerto Rico.

⁴ Differences between "New supply" and "Distribution" not precisely comparable with "Stocks" due to year-end and inventory adjustments. ⁵ Includes stocks shipped for export which had not yet cleared port.

Source: Department of Commerce, Business and Defense Services Administration. Monthly data published in *Survey of Current Business*.

No. 1130. SYNTHETIC ORGANIC CHEMICALS—PRODUCTION AND SALES, BY GROUP: 1958 TO 1960

[Production and sales in millions of pounds; sales value in millions of dollars. Excludes Alaska and Hawaii]

GROUP	1958			1959			1960		
	Production	Sales		Production	Sales		Production	Sales	
		Sales	Sales value		Sales	Sales value		Sales	Sales value
Synthetic organic chemicals	43,246	22,014	5,366	50,315	27,524	6,498	53,952	28,760	6,652
Cyclic									
Intermediates	13,212	8,146	2,594	16,372	10,245	3,111	17,818	10,735	3,237
Dyes	6,643	2,646	430	8,459	3,511	556	9,002	3,904	3,622
Toners and lakes	140	130	177	170	150	206	156	148	162
Medicinal chemicals	35	28	63	43	33	66	40	33	64
Flavor and perfume materials	70	52	518	73	58	548	77	55	621
Plastics and resin materials	25	21	31	30	24	34	33	26	37
Rubber-processing chemicals	2,103	1,767	469	2,046	2,200	606	2,716	2,228	628
Elastomers (synthetic rubbers)	144	103	67	178	134	86	170	130	85
Plasticizers	1,753	1,554	362	2,213	2,006	403	2,283	1,949	469
Surface-active agents	312	265	76	403	362	98	445	384	103
Pesticides and other organic agricultural chemicals	846	765	125	936	895	139	977	827	147
Miscellaneous	445	373	148	460	410	172	525	455	203
Acyclic	30,034	13,869	2,772	33,943	17,279	3,387	36,134	18,026	3,425
Medicinal chemicals	31	30	36	33	30	34	37	33	35
Flavor and perfume materials	18	19	21	21	21	22	22	21	23
Plastics and resin materials	2,415	2,289	806	3,210	2,970	1,034	3,427	3,119	1,026
Rubber-processing chemicals	25	20	13	32	28	16	29	22	16
Elastomers (synthetic rubbers)	449	454	182	613	594	230	669	602	229
Plasticizers	106	91	35	136	115	44	157	116	45
Surface-active agents	809	438	110	583	477	132	555	472	131
Pesticides and other organic agricultural chemicals	95	89	48	117	93	53	122	115	59
Miscellaneous	26,386	10,430	1,520	29,205	12,954	1,822	31,115	13,525	1,861

Source: U. S. Tariff Commission; annual report, *Synthetic Organic Chemicals, U. S. Production and Sales*.

No. 1131. CHEMICALS—PRODUCTION, BY KIND: 1947 TO 1961

[Beginning 1960, includes Alaska and Hawaii. Data for chemicals shown are restricted to a selected group composed for the most part of inorganic chemicals and related products which are sufficiently important economically to justify publication. Includes data for chemicals produced by Tennessee Valley Authority, and, beginning 1955, by Government-owned privately operated plants]

CHEMICAL	UNIT	1947	1950	1955	1960	1961 (prel.)
Acetylene ¹	Mil. cu. ft.	3,007	5,331	8,512	12,143	11,604
Aluminum chloride:						
Anhydrous (100% AlCl ₃)	Short tons	(2)	31,878	36,911	24,013	21,875
Liquid and crystal (32° Bé)	do	(2)	17,671	16,234	25,830	23,033
Aluminum sulfate (17% Al ₂ O ₃) ²						
Commercial	do	(2)	669,897	808,202	870,105	886,612
Iron free	do	(2)	40,280	25,225	51,744	53,189
Amonnia, synthetic anhydrous	1,000 sh. tons	1,114	1,566	3,252	4,818	5,194
Ammonium nitrate, original solution (100% NH ₄ NO ₃)	do	1,087	1,214	1,842	3,122	3,240
Ammonium sulfate, synthetic (technical) ⁴	do	196	1,138	1,173	859	937
Argon (refined)	Mil. cu. ft.	(2)	50	247	670	664
Oaleum carbide (commercial)	1,000 sh. tons	607	671	875	1,093	(3)
Calcium phosphate, dibasic (100% CaH ₂ PO ₄)	Short tons	41,323	53,046	104,539	234,016	250,709
Carbon, activated ⁵	do	35,548	37,921	48,518	50,963	59,857
Carbon dioxide (liquid, gas, and solid) ⁶	do	477,800	639,906	776,753	941,083	946,772
Chlorine, gas ⁷	1,000 sh. tons	1,443	2,084	3,421	4,037	4,003
Chrome, yellow and orange (C.P.)	Short tons	23,235	27,098	27,050	21,372	23,053
Hydrochloric acid (100% HCl)	do	442,558	618,784	838,249	970,167	924,105
Hydrofluoric acid, anhydrous and aqueous (100% HF)	do	27,933	35,174	66,637	113,754	112,315
Hydrogen, high purity (99.5-100%) ⁸	Mil. cu. ft.	21,185	45,163	35,831	12,827	14,657
Hydrogen, lower purity (less than 99.5%) ⁸	do	6,588	10,787	(3)	52,734	52,538
Hydrogen peroxide (100% by weight)	Short tons	2,238	3,905	6,289	30,681	30,681
Molybdate chrome orange (C.P.)	do	1,000 sh. tons	1,189	1,336	2,592	3,315
Nitric acid (100% HNO ₃)	Mil. cu. ft.	507	1,360	3,860	18,566	25,256
Nitrogen gas (100% N ₂)	Short tons	(2)	(2)	468,505	827,871	842,088
Nitrogen solutions (100% N)	Mil. cu. ft.	14,420	17,848	29,300	57,987	70,505
Oxygen, high purity (99.5-100%) ⁹	do	(2)	(2)	(2)	1,479	1,495
Oxygen, lower purity (less than 99.5%) ⁹	1,000 sh. tons	367	504	1,315	2,110	2,245
Phosphoric acid (100% P ₂ O ₅)	do	85,940	153,233	292,954	409,096	430,464
Phosphorus (white and red)	Short tons	60,069	61,885	70,034	111,787	116,097
Potassium hydroxide (88-92% KOH)	do	(2)	(2)	(2)	25,034	24,908
Potassium pyrophosphate (100% K ₄ P ₂ O ₇)						
Soda ash: Synthetic (58% Na ₂ O); ¹⁰	Total crude bicarbonate equivalent ¹¹	1,000 sh. tons	4,525	3,991	4,907	4,558
Finished light ¹¹	do	2,207	2,080	2,701	2,238	2,305
Finished dense	do	1,629	1,410	1,769	1,098	2,037
Soda ash, natural	do	276	338	680	830	774
Sodium bichromate and chromate	Short tons	90,285	89,820	118,524	121,872	120,894
Sodium chlorate (100% Na ₂ ClO ₃)	do	20,459	22,085	46,972	01,585	102,360
Sodium hydroxide (caustic soda):						
Liquid (100% NaOH)	1,000 sh. tons	2,103	2,511	8,915	4,972	4,807
Sodium phosphate:						
Tribasic (100% Na ₃ PO ₄)	Short tons	88,568	66,801	51,846	50,977	53,885
Meta (100% Na ₂ PO ₄)	do	30,460	39,412	57,597	62,583	65,178
Tetra (100% Na ₄ P ₂ O ₇)	do	56,641	85,657	102,761	90,013	96,035
Acid pyro (100% Na ₂ H ₂ PO ₄)	do	15,180	9,052	15,245	17,109	18,146
Tripoly (100% Na ₅ P ₃ O ₁₀)	do	(2)	233,034	556,337	880,776	755,560
Sodium silicate (soluble silicate glass, liquid and solid) (anhydrous) ¹²	do	402,837	486,203	620,168	497,348	526,722
Sodium sulfate:						
Anhydrous (refined) (100% Na ₂ SO ₄)	do	184,909	184,254	256,549	303,235	300,087
Glauber's salt (100% Na ₂ SO ₄ ·10H ₂ O)	do	202,285	185,620	149,177	72,340	63,527
Salt cake (crude) (commercial)	do	693,517	561,395	737,599	737,998	814,778
Sulfuric acid, gross (100% H ₂ SO ₄) ¹³	1,000 sh. tons	10,780	13,029	16,255	17,883	17,883
Titanium dioxide (composite and pure) (100% TiO ₂)	Short tons	210,647	298,618	408,836	456,583	502,876

¹ Excludes quantities of acetylene produced and consumed by railroad shops, shipyards, and small establishments using portable generators.

² Not available. ³ Excludes quantities produced and consumed by municipalities.

⁴ Excludes hyproduct coke-oven production.

⁵ Includes data for decolorizing and water purification grades only.

⁶ Excludes quantities produced and consumed in plants manufacturing soda ash or urea.

⁷ Total production, including quantities liquefied for use, storage, or shipment.

⁸ Beginning 1955, excludes quantities produced and consumed in manufacture of methanol and ammonia, produced by ammonia dissociation process, or disposed of as waste, e.g., vented, used as fuel, etc.

⁹ Ammonia soda and caustic carbonation processes.

¹⁰ Includes quantities used to manufacture caustic soda, sodium bicarbonate, and finished light and dense soda ash. ¹¹ Excludes quantities converted to finished dense soda ash.

¹² Prior to 1960, includes amounts produced and consumed in making meta-ortho and sesquisilicates; beginning 1960, excludes these amounts. ¹³ Includes sulfuric acid of oleum grades.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports; 1950-1961 compiled from manufacturers' reports and published in *Current Industrial Reports*, Series M28A.

Manufactures

No. 1132. INDUSTRIAL EXPLOSIVES SOLD FOR CONSUMPTION IN THE UNITED STATES: 1930 TO 1960

[In thousands of pounds. Includes Alaska and, beginning 1950, Hawaii. Excludes exports]

YEAR	Total ¹	Per-mis-sible explosives ²	High explosives other than permis-sible	Black blast-ing powder	USE	Total	Per-mis-sible explosives ²	High explosives other than permis-sible ²	Black blast-ing powder
1930	445,090	53,826	201,391	99,873	Coal mining	1,370,027	82,573	279,608	1,038
1935	308,381	39,170	200,324	68,888	Metal mining	151,467	89	151,377	1
1940	425,369	58,436	305,180	59,753	Quarrying and non-metal mining	249,412	528	248,515	309
1945	457,311	67,407	322,956	36,048	Railway and other construction work	215,110	230	214,803	67
1946	536,315	100,258	309,233	26,824	Seismograph	50,704	-----	50,183	521
1947	651,391	122,349	476,017	36,464	All other purposes	11,857	91	11,430	336
1948	725,227	126,282	550,080	33,240					
1949	631,230	91,630	505,601	20,077					
1950	719,841	109,420	575,992	20,655					
					1960				
1951	753,821	108,258	611,236	18,985	Coal mining	1,414,007	79,667	332,395	936
1952	764,718	95,400	636,741	10,602	Metal mining	221,187	60	221,097	30
1953	790,811	89,879	668,952	9,515	Quarrying and non-metal mining	262,748	450	261,980	818
1954	715,955	75,863	612,054	10,237	Railway and other construction work	209,739	254	209,417	68
1955	806,878	93,718	687,226	6,624	Seismograph	51,331	10	51,321	-----
1956	1,026,780	104,934	898,524	5,508	All other purposes	13,326	136	13,006	186
1957	1,034,631	104,522	912,589	3,684					
1958	961,597	84,035	904,117	2,492					
1959	1,048,576	83,520	955,916	2,333					
1960	1,172,908	80,577	1,039,216	1,537					

¹ Beginning 1947, totals include sales of liquid oxygen explosive. For 1950 and 1960, such sales amounted to 6,908,000 and 1,068,000 pounds, respectively, all for use in coal mining.

² Represents type of high explosives approved by Bureau of Mines as suitable for safe use in coal mines provided specifications of use are followed.

³ Includes prilled and/or grained ammonium nitrate blasting agents, both the completely processed variety and that not further processed.

Source: Department of the Interior, Bureau of Mines; *Consumption of Industrial Explosives*.

No. 1133. ASPHALT AND TAR ROOFING AND SIDING PRODUCTS—SHIPMENTS: 1950 TO 1961

[Beginning 1960, includes Alaska and Hawaii]

PRODUCT	1950	1954	1955	1958	1959	1960	1961
Asphalt roofing	1,000 squares	65,024	59,132	62,582	58,228	59,527	59,959
Smooth-surfaced	do	14,377	11,591	11,502	9,839	8,920	8,702
Mineral-surfaced	do	14,116	12,910	12,902	12,707	12,229	12,835
Strip shingles	do	32,109	30,149	33,915	31,256	33,772	33,811
Individual shingles	do	4,422	4,482	4,263	4,336	4,597	4,303
Asphalt sidings	do	2,009	1,428	1,288	1,040	935	872
Roll form	do	1,650	1,175	1,066	849	772	734
Shingle form	do	350	252	223	191	163	110
Insulated siding, all types and finishes	1,000 squares	2,402	2,207	2,195	1,618	1,519	1,181
Saturated felts	short tons	720,951	869,755	1,038,819	955,197	1,026,749	983,253
Asphalt	do	920,579	732,770	905,005	857,016	937,247	808,055
Tar	do	100,372	136,985	133,814	97,281	89,502	85,108
Saturated and coated sheathings	short tons	12,026	10,066	9,723	18,931	18,212	11,850

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M29A.

No. 1134. PRESSED AND BLOWN GLASSWARE—VALUE OF SHIPMENTS, BY CLASS: 1954 TO 1961

[In thousands of dollars. Beginning 1961, includes Alaska and Hawaii. Comprises products manufactured from glass produced in reporting establishment]

CLASS	1954	1955	1958	1959	1960	1961
Total value.....	379,754	377,056	386,048	461,233	478,782	482,799
Table, kitchen, art, and novelty glassware.....	123,478	132,139	149,006	174,456	188,534	193,440
Machine-made:						
Tumblers, goblets, and other stemware.....	43,523	46,207	50,887	53,768	53,950	55,470
Tableware.....	24,113	23,663	27,401	28,500	30,558	34,942
Kitchenware and cookingware.....						56,160
Ornamental, decorative, novelty glassware and smokers' accessories.....	55,842	62,179	70,718	92,092	70,423	13,014
Handmade.....					33,603	32,045
Lighting and electronic glassware.....	162,390	164,804	143,286	171,606	169,894	171,801
Bowls and enclosing globes (all types), shades, reflectors, and torcheres ¹	16,185	16,323	16,756	18,010	16,998	17,962
Electric-light bulb and electronic tube blanks.....						27,276
Tubing, cane, and other glass parts for electronic tubes and devices and electric light bulbs.....	127,400	131,382	109,023	131,620	131,454	24,337
Television tube blanks and parts.....						81,303
All other lighting and electronic glassware.....	18,805	17,009	17,507	21,266	21,442	20,833
All other pressed and blown glassware.....	93,886	80,113	93,756	115,081	120,354	117,558
Scientific and laboratory glassware.....	23,785	18,049	24,465	26,169	30,115	28,039
Industrial glassware.....	16,369	12,975	14,825	18,601	18,262	21,330
Ophthalmic and optical instrument lens blanks and sunglass, eye protective, automotive, lantern, and searchlight lenses.....						
Other pressed and blown glassware, not elsewhere classified.....	53,732	49,069	54,466	70,311	71,977	34,102
						34,027

¹ Includes lantern globes (oil and electric), lamp chimneys, and lamp parts.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M32E.

No. 1135. GLASS CONTAINERS—DIRECT EXPORTS AND DOMESTIC PRODUCTION AND SHIPMENTS, BY KIND: 1958 TO 1961

[In thousand gross. Includes Alaska and Hawaii]

ITEM	1958		1959		1960		1961	
	Production	Shipments	Production	Shipments	Production	Shipments	Production	Shipments
Total.....	145,269	143,366	154,404	153,102	160,299	156,799	167,605	165,446
Direct exports.....		2,897		2,630		2,114		1,540
Domestic production and shipments:								
Narrow-neck.....	89,771	86,247	97,449	94,447	102,054	98,602	107,713	105,287
Food	15,422	16,239	16,393	17,628				17,909
Medicinal and health supplies	16,102	16,807	16,177	16,177				16,969
Household and industrial.....	52,714	56,203	56,753	56,753				10,394
Toiletries and cosmetics.....	9,834	11,418	11,248	11,248				10,857
Beverage, returnable.....	8,952	8,608	10,252	9,830	10,568	9,771	9,148	9,287
Beverage, nonreturnable.....	1,372	1,334	1,531	1,466	1,879	1,730	3,121	2,789
Beer, returnable.....	3,218	2,603	3,305	3,021	3,354	2,994	2,723	2,567
Beer, nonreturnable.....	8,772	8,604	10,071	9,929	14,042	13,513	19,871	19,067
Liquor.....	9,983	9,454	11,087	10,446	10,283	9,864	10,983	10,428
Wine.....	4,760	4,538	4,910	4,914	5,175	5,047	5,121	5,020
Wide-mouth.....	55,498	54,222	56,955	56,016	58,245	56,063	59,792	58,619
Food ¹	42,198		42,255		42,371		47,032	
Medicinal and health supplies	4,628	3,541	4,723		4,731		4,706	
Household and industrial.....	1,855	1,855	1,953		1,898		1,708	
Toiletries and cosmetics.....	2,962		3,091		3,270		3,286	
Dairy products.....	1,961	1,923	2,104	1,094	1,813	1,813	1,692	1,707
Packers' tumblers.....	607	656	(2)	(2)	(2)	(2)	(2)	(2)

¹ Includes fruit jars and jelly glasses.

² Packers' tumblers included with food.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M32G.

No. 1136. REFRactories—SHIPMENTS: 1959 TO 1961

[Beginning 1961, includes Alaska and Hawaii]

PRODUCT	UNIT	1959		1960		1961	
		QUAN-TY	VALUE (\$1,000)	QUAN-TY	VALUE (\$1,000)	QUAN-TY	VALUE (\$1,000)
Clay refractories							
Fire clay brick, standard and special shapes		178,632		179,874		168,998	
High-alumina brick and shapes	M 0" equiv.	403,820	70,135	411,497	73,846	341,200	62,519
Insulating firebrick and shapes	do	20,031	8,919	21,962	9,978	23,346	10,851
Ladle brick	do	44,596	10,672	47,250	11,681	39,412	9,838
Sleeves, nozzles, runner brick and tuyeres	do	200,094	21,175	193,290	20,438	187,404	20,923
Hot top refractories	do	46,300	9,553	35,133	7,804	32,568	8,814
Glass-house pots, tank blocks, feeder parts, and upper structure shapes used only for glass tanks	Short tons	112,708	6,904	88,822	5,846	75,934	5,107
Refractory bonding mortars ¹	do	15,098	4,005	18,792	5,254	15,681	4,943
Plastic refractories and ramming mixes ²	do	67,458	7,836	63,792	7,206	58,608	6,709
Castable refractories (hydraulic setting)	do	137,076	11,606	128,122	10,302	138,373	11,407
Ground crude fire clay, high alumina clay, and silica fire clay ³	do	113,438	11,696	116,015	11,703	126,402	13,210
Other clay refractories	do	595,961	4,838	513,006	5,809	432,757	5,573
			11,173		10,357		10,080
Nonclay refractories							
Silica brick and shapes	M 0" equiv.	200,566	40,905	183,297	39,069	145,027	29,043
Magnesite and magnesite-chrome brick and shapes	do	53,540	43,591	52,815	45,493	61,059	52,090
Chrome and chrome-magnesite brick and shapes	do	47,106	35,472	44,330	35,742	41,248	32,367
Graphite refractories	Short tons	21,191	4,12,328	11,360	8,785	11,039	8,865
Mullite brick and shapes	M 0" equiv.	4,420	5,657	5,559	6,748	4,634	5,703
Extra-high alumina brick and shapes	do	2,338	3,679	3,134	4,937	3,230	5,599
Silicon carbide brick and shapes	do	4,315	9,933	3,091	9,889	3,780	8,781
Zircon and zirconia brick and shapes	do	890	3,017	1,150	4,510	844	3,386
Forsterite, pyrophyllite, mullite-cast, and other nonclay brick and shapes			18,041		23,237		21,085
Refractory bonding mortars	Short tons	106,714	10,803	113,719	12,078	160,055	15,701
Plastic refractories and ramming mixes	do	188,283	21,873	156,986	18,967	194,270	21,086
Refractory castables (hydraulic setting)	do	7,671	1,072	7,780	1,105	12,362	1,752
Dead-burned magnesia or magnesite ³	do	156,346	9,295	188,143	8,307	155,307	9,615
Other nonclay refractory materials sold in lump or ground form ^{3,4}	do	223,214	12,760	208,302	16,223	159,204	12,816

¹ 50% Al₂O₃ and over. Excludes data for mullite or extra-high alumina, included under nonclay refractories.² Bonding mortars containing more than 60% Al₂O₃ dry basis included under nonclay refractories.³ Represents only shipments by establishments classified in "manufacturing" industries and excludes shipments to refractory producers for manufacture of brick and other refractories.⁴ Includes carbon refractories.Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M320.

No. 1137. STRUCTURAL CLAY PRODUCTS—PRODUCTION AND SHIPMENTS, BY KIND: 1950 TO 1961

[Beginning 1961, includes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series P 212, for production of brick]

PRODUCT	1950	1955	1959	1960	1961 (prel.)
Brick (building or common and face):					
Production	1,000,000 standard bricks	6,338	7,902	7,336	6,943
Shipments: Quantity	do	6,486	7,741	7,258	6,502
Value	mil. dol.	164	233	241	224
Facing tile (structural), ceramic glazed, incl. glazed bricks:					
Production	1,000,000 brick equivalent	(1)	455	398	378
Shipments: Quantity	do	(1)	446	370	392
Value	mil. dol.	(1)	31	30	30
Facing tile (structural), unglazed and salt glazed:					
Production	1,000,000 tiles	(1)	26	16	14
Shipments: Quantity	do	(1)	26	14	12
Value	mil. dol.	(1)	4	3	3
Structural clay tile, except facing:					
Production	1,000 short tons	1,204	935	551	406
Shipments: Quantity	do	1,317	929	521	488
Value	mil. dol.	15	12	8	7
Vitrified clay sewer pipe and fittings:					
Production	1,000 short tons	1,640	2,112	2,025	1,055
Shipments: Quantity	do	1,568	2,056	1,973	1,884
Value	mil. dol.	53	84	98	95
Clay floor and wall tile and accessories, incl. quarry tile:					
Production	1,000,000 square feet	125	233	250	242
Shipments: Quantity	do	127	233	253	233
Value	mil. dol.	62	128	141	130

¹ Not available.Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M32D.

No. 1138. COPPER-BASE MILL AND FOUNDRY PRODUCTS—SHIPMENTS: 1950 TO 1961
 [In millions of pounds, metal weight. Excludes Alaska and Hawaii]

TYPE OF PRODUCT	1950	1955	1957	1958	1959	1960	1961
Total	5,037	5,130	4,428	4,042	4,813	4,298	4,510
Brass mill products	2,554	2,532	1,947	1,700	2,221	1,878	2,008
Alloyed ¹	1,663	1,644	1,245	1,127	1,392	1,128	1,220
Unalloyed	890	888	703	663	820	750	848
Copper wire mill products ²	1,427	1,556	1,566	1,415	1,585	1,521	1,554
Brass and bronze foundry products	1,057	999	889	805	902	802	848
Copper-base powder mill products	(3)	43	36	33	45	39	40

¹ Excludes webbing scrap generated in production of military ammunition cups and discs.

² Copper content.

³ Not available.

Source: Department of Commerce, Bureau of the Census and Business and Defense Services Administration; *Copper Industry Report, 1961*, and *Current Industrial Reports*, Series BDSAF-84(60)-4.

No. 1139. ROLLED AND MISCELLANEOUS IRON AND STEEL PRODUCTS—PRODUCTION, BY KIND: 1930 TO 1961

[In thousands of short tons. See also *Historical Statistics, Colonial Times to 1957*, series P 208 and P 210-211, for production in long tons for selected items]

KIND	1930	1940	1945	1950	1955	1960	1961
Hot-rolled products							
Plates	33,055	48,660	59,812	75,191	90,658	76,446	73,412
Sheets	4,102	4,323	7,246	7,386	8,191	7,449	6,903
Block plate	3,933	11,706	12,067	22,693	31,517	29,815	28,399
Strip	2,120	522	1	153			
Coils for cold reduced black plate and tin plate	2,175	2,078	2,543	8,904	8,084	1,549	1,483
Hoops	(1)	3,104	4,437	5,991	7,579	7,957	7,909
Cotton ties and baling bands	89	97	62	37	16	11	11
Bars—merchant	52	45	34	49	64	(2)	(2)
Bars—concrete reinforcement	4,028	6,459	9,649	9,353	10,123	7,752	6,978
Bars—light shapes	952	1,426	835	1,833	2,393	2,358	2,644
Structural shapes—heavy	562	877	895	1,063	1,264	1,040	1,071
Steel piling	3,372	3,355	3,572	4,379	5,072	5,085	4,446
Rails	118	186	189	243	303	286	304
Joint bars and tie plate bars	2,098	1,670	2,418	1,850	1,227	711	472
All other	670	516	857	656	473	172	110
Fskelp	3,004	2,709	2,894	4,164	5,144	3,193	8,320
Blanks or pierced billets	1,308	2,321	3,384	4,031	4,891	3,546	3,700
Wire rods	2,630	4,352	4,531	5,820	6,098	4,285	4,416
Rolled forging billets	341	920	3,567	1,215	1,939	927	707
Blooms, billets, etc., for export	11	1,678	179	11	242		123
Car wheels (rolled steel)	790	{ 191	291	260	316	230	180
All other		{ 116	171	101	101	91	176
Miscellaneous products: ³							
Tin plate and terne plate	1,883	2,730	2,827	4,640	5,157	5,901	5,610
Galvanized sheets	1,171	1,695	1,676	2,274	2,875	3,102	3,551
Wire (plain)	(1)	3,072	8,545	4,855	4,787	3,268	3,338
Wire nails	478	649	583	876	653	347	312
Pipes and tubes (black)	(1)	4,273	6,030	9,310	10,039	7,038	7,887
Forgings made by rolling mills ⁴	533	623	1,666	457	647	434	414
Cold finished bars	(1)	891	2,040	1,745	2,074	1,502	1,308
Sheets (cold rolled)	(1)	3,630	3,854	10,433	18,855	16,479	14,760
Strip (cold rolled)	(1)	930	1,360	2,203	2,496	1,718	1,776
Galvanized pipe	441	708	687	1,103	1,101	649	695

¹ Not available.

² Included in strip.

³ These are mostly further elaborations of products listed above.

⁴ Includes forged axles.

Source: American Iron and Steel Institute; *Annual Statistical Report*.

No. 1140. PIG IRON AND FERROALLOYS—CAPACITY, PRODUCTION, AND MATERIALS USED: 1940 TO 1961

[In thousands of short tons, except number of furnaces. See also *Historical Statistics, Colonial Times to 1957*, series P 233, for blast furnace capacity]

ITEM	1940	1945	1950	1955	1958	1959	1960	1961
Blast furnaces, total number, Jan. 1.....	232	243	248	261	265	266	263	260
Number in blast, Jan. 1.....	195	218	218	206	171	189	229	114
Blast furnace capacity ¹	55,724	67,314	271,560	83,971	91,000	94,635	90,521	(²)
Blast furnace production.....	46,970	54,166	65,440	77,790	57,764	60,820	67,320	65,295
Percent of capacity.....	84.3	80.5	91.4	92.6	63.5	64.3	60.7	(³)
Pig iron.....	46,072	53,223	64,587	76,857	57,158	60,194	66,481	64,631
Ferroalloys.....	607	943	853	932	606	635	839	664
Electric furnace production, ferroalloys.....	410	753	961	1,474	1,044	1,349	1,240	1,270
Total production ⁴	47,399	54,919	66,400	79,264	58,808	62,178	68,566	66,565
Basic.....	33,988	39,867	49,880	62,485	49,115	52,114	58,281	58,150
Bessemer and low-phosphorus.....	7,835	8,570	8,426	7,090	3,920	3,430	3,701	2,777
Foundry (incl. ferrosilicon and silvery pig iron).....	2,791	3,067	3,646	3,558	2,054	2,526	2,152	1,896
Malleable.....	1,832	2,350	3,181	3,531	2,305	2,488	2,673	2,103
Ferromanganese and spiegeleisen.....	747	706	777	958	678	680	878	783
All other.....	208	360	490	1,085	736	940	811	856
Materials used ⁵								
Iron and manganese ore and agglomerated products.....	79,672	91,276	112,156	127,753	91,050	95,580	104,608	101,908
Mill cinder, scrap, scale, etc.....	7,480	9,749	10,731	15,210	8,878	8,764	9,034	8,639
Coke.....	40,451	48,965	59,549	67,081	45,666	47,223	49,772	45,728
Limestone, dolomite, etc.....	16,678	20,863	27,708	29,744	17,232	16,058	15,868	15,546

¹ Annual capacity as of Jan. 1.

² Average annual capacity as of Jan. 1 and July 1.

³ Not available.

⁴ Includes ferroalloys produced in electric furnaces.

⁵ Materials consumed in manufacture of pig iron only.

Source: American Iron and Steel Institute; *Annual Statistical Report*.

No. 1141. PIG IRON AND FERROALLOYS—PRODUCTION, BY STATES: 1945 TO 1961

[In thousands of short tons]

STATE	1945	1950	1955	1958	1959	1960	1961
Grand total.....	54,919	66,400	79,264	58,808	62,178	68,566	66,565
Pig iron.....							
Massachusetts, New York.....	53,223	64,587	76,857	57,158	60,194	66,481	64,631
Pennsylvania.....	3,295	4,302	5,144	3,380	3,059	4,205	3,761
Maryland, West Virginia.....	16,171	18,240	20,844	14,406	15,185	16,533	16,205
Kentucky, Tennessee, Texas.....	3,519	5,203	6,094	7,068	7,164	7,987	8,108
Alabama.....	808	1,460	1,713	3,415	3,658	3,541	3,533
Ohio.....	11,259	12,510	15,370	9,563	11,504	11,788	10,994
Indiana.....	5,982	7,018	8,717	7,774	6,630	8,404	8,877
Illinois.....	5,045	6,024	6,489	4,200	5,265	5,307	4,726
Michigan, Minnesota.....	1,921	2,830	4,002	3,320	4,049	4,981	5,006
Colorado, Utah, California.....	1,642	2,053	3,561	3,341	3,067	3,735	4,422
Ferroalloys.....							
New York, New Jersey.....	1,686	1,813	2,406	1,651	1,984	2,085	1,994
Pennsylvania.....	449	392	309	144	144	153	107
Virginia, West Virginia, South Carolina.....	573	554	690	411	375	510	445
Tennessee.....	171	287	404	355	451	345	418
Alabama.....	66	60	404	355	451	345	418
Ohio.....	85	59	114	(¹)	(¹)	(¹)	(¹)
Other States.....	204	198	547	452	598	658	526

¹ Included in "Other States."

Source: American Iron and Steel Institute; *Annual Statistical Report*.

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No. 1142. IRON AND STEEL—WHOLESALE PRICE INDEXES: 1930 TO 1962

[1957-59=100. Includes Alaska and Hawaii]

YEAR	Iron and steel total	STEEL MILL PRODUCTS			Pig iron and ferro- alloys	Iron ore	Scrap, iron and steel	Foundry and forge shop prod- ucts
		Total	Finished	Semi- finished				
1930	35.4							
1935	34.4							
1940	37.7	36.7	37.3	31.5				
1945	39.3	37.0	38.5	32.9				
1950	66.9	62.9	63.1	60.7	68.8	60.9	101.0	67.6
1955	83.2	81.8	81.9	81.9	83.7	91.1	101.0	82.0
1956	91.6	88.7	88.8	87.7	91.4	98.2	127.8	90.4
1957	98.4	97.2	97.2	97.1	99.6	103.1	112.0	97.4
1958	99.9	100.6	100.6	100.7	100.1	100.5	90.5	100.3
1959	101.8	102.2	102.3	102.2	100.3	96.4	96.7	102.3
1960	100.6	102.1	102.1	102.0	96.3	97.1	79.9	103.1
1961	100.7	101.7	101.7	101.8	94.7	98.1	84.7	103.4
March	100.8	101.9	101.9	101.8	94.8	98.1	84.9	103.3
1962, March	99.8	101.5	101.5	101.8	91.9	93.2	76.2	103.2

Source: Department of Labor, Bureau of Labor Statistics.

No. 1143. STEEL—CAPACITY AND PRODUCTION OF INGOTS AND STEEL FOR CASTINGS, BY TYPE OF FURNACE: 1930 TO 1961

[In thousands of short tons. Excludes foundries which normally produce steel only for castings. See also *Historical Statistics, Colonial Times to 1957*, series P 203-207, for production in long tons, and P 234, for capacity.]

YEAR	Capac- ity (Jan. 1)	PRODUCTION							Index of pro- duction (1957-59 =100)	
		Total	Percent of capacity	Open hearth			Bes- senger	Basic oxygen process	Electric	
				Total	Basic	Acid				
1930	71,042	44,591	62.8	38,587			5,623	381	45.0	
1935	78,482	38,184	48.7	34,401	34,005	307	3,175	607	39.3	
1940	81,610	66,983	82.1	61,573	60,883	600	3,709	1,701	68.8	
1945	95,505	79,702	83.5	71,940	71,070	870	4,305	3,457	82.0	
1946	91,801	66,603	72.5	60,712	60,112	600	3,328	2,563	68.6	
1947	91,241	84,894	93.0	76,874	76,209	665	4,233	3,788	87.4	
1948	94,233	88,640	94.1	79,340	78,715	625	4,243	5,087	91.0	
1949	96,121	77,978	81.1	70,249	69,742	507	3,047	3,783	80.3	
1950	109,933	96,836	96.9	86,263	85,662	601	4,535	6,039	99.7	
1951	104,230	105,200	100.9	93,167	92,387	770	4,801	7,142	108.3	
1952	108,588	93,168	85.8	82,846	82,143	703	3,524	6,798	95.7	
1953	117,547	111,610	94.0	100,474	99,828	646	3,856	7,280	114.9	
1954	124,330	88,312	71.0	80,327	79,923	405	2,548	5,436	90.9	
1955	125,828	117,036	93.0	105,350	104,805	555	3,320	8,050	120.5	
1956	128,363	115,216	89.8	102,841	102,168	673	3,228	506	8,641	
1957	133,460	112,715	84.5	101,658	101,028	630	2,475	612	7,971	
1958	140,743	85,255	60.6	75,879	75,502	378	1,398	1,323	6,656	
1959	147,634	93,446	63.3	81,060	81,225	444	1,380	1,804	8,533	
1960	148,571	99,282	66.8	86,368	85,964	404	1,189	3,346	8,379	
1961	(2)	98,014	(2)	84,502	84,108	394	881	3,967	8,664	

¹ Average of Jan. 1 and July 1.

² Not available.

Source: American Iron and Steel Institute; *Annual Statistical Report*.

Manufactures

No. 1144. IRON AND STEEL—AGGREGATE EXPORTS OF SELECTED ITEMS: 1900 TO 1961

[Quantities in thousands of short tons; values in thousands of dollars. Includes exports of Alaska, Hawaii, and Puerto Rico to foreign countries. Includes ferromanganese. Beginning 1925, excludes steam and hot water heating boilers and radiators. Value figures through 1920 exclude, and those beginning 1925 include, data for small items for which quantity figures are not available. Includes shipments under foreign aid programs; beginning 1948 also includes civilian supply shipments. See table 1146 for revised list of articles included, effective 1952.]

YEAR	Quantity	Value	YEAR	Quantity	Value	YEAR	Quantity	Value
1900	1,292	42,518	1945	5,203	461,147	1954	14,826	653,488
1905	1,131	33,813	1946	5,149	449,843	1955	9,723	970,357
1910	1,723	63,436	1947	6,994	830,655	1956	11,574	1,281,444
1915	3,957	140,093	1948	4,885	659,779	1957	13,057	1,622,570
1920	5,527	458,370	1949	5,146	714,780	1958	6,328	1,046,410
1925	1,974	144,262	1950	3,248	465,141	1959	7,009	884,785
1930	2,220	139,039	1951	3,783	612,236	1960	11,498	1,186,585
1935	3,431	88,414	1952	14,854	771,442	1961	12,458	1,142,480
1940	11,876	524,428	1953	14,711	640,159			

¹ See footnote 1, table 1146.

Source: Department of Commerce, Bureau of the Census; prior to 1947, *Foreign Commerce and Navigation of the United States*; thereafter, *Quarterly Summary of Foreign Commerce of the United States*, and records.

No. 1145. STEEL PRODUCTS—SHIPMENTS, BY MARKET CLASSES: 1940 TO 1961

[In thousands of short tons. Comprises carbon, alloy, and stainless steel]

MARKET CLASSES	1940	1945	1950	1955	1959	1960	1961
Total	45,861	57,242	72,232	84,717	69,377	71,149	66,126
Domestic shipments							
Steel for converting and processing ¹	37,752	53,449	69,665	81,134	67,968	68,586	64,396
Bolts, nuts, rivets, and screws	1,646	2,706	3,900	3,753	3,133	2,928	2,373
Warehouses and distributors	435	1,418	1,082	1,266	957	841	765
Oil and gas industry	708	1,083	1,410	1,475	1,071	1,072	995
Other	6,687	9,571	13,360	15,758	13,040	12,480	12,365
Construction, including maintenance	654	667	1,684	2,196	1,890	1,125	1,528
Rail transportation	6,033	8,904	11,676	18,502	11,159	11,355	10,837
Oil and gas	5,958	6,060	8,602	9,682	8,514	9,664	9,260
Other	150	66	124	75	40	51	(3)
Contractors' products	4,818	4,598	5,430	7,150	6,212	7,447	7,240
Automotive	(3)	(4)	3,075	3,982	3,573	3,602	3,851
Vehicles, parts, etc.	7,325	4,071	14,472	18,722	14,214	14,610	12,594
Forgings	7,185	3,774	13,923	18,203	13,702	14,194	12,146
Rail transportation	40	297	549	510	422	416	448
Railroad rails, trackwork, and equipment	3,777	5,121	4,299	3,521	2,357	2,525	1,594
Freight cars, passenger cars, and locomotives	1,202	1,451	2,222	1,680	763	723	422
Street railways and rapid transit systems	2,575	3,670	(2,029	1,901	1,572	1,763	1,130
Shipbuilding and marine equipment	940	2,710	327	601	642	622	680
Aircraft ²	48	301	52	97	71	78	85
Oil and gas drilling	(4)	(4)	620	708	541	404	366
Mining, quarrying, and lumbering	141	210	280	269	235	288	275
Agricultural	920	1,120	1,538	1,337	1,265	1,003	1,050
Agricultural machinery	(3)	(3)	1,298	1,112	964	765	717
Other	(3)	(3)	240	225	301	238	333
Machinery, industrial equipment, and tools	1,108	1,607	3,474	4,690	4,158	3,958	3,756
Electrical machinery and equipment	777	819	1,837	2,292	2,052	2,078	1,972
Appliances, utensils, and cutlery	950	675	2,088	2,199	1,829	1,760	1,749
Other domestic and commercial equipment	1,210	1,433	1,804	2,189	1,833	1,959	1,811
Containers	2,985	4,333	5,911	6,723	6,318	6,429	6,623
Cans and closures	(3)	(3)	4,339	4,947	5,010	4,976	5,271
Barrels, drums, and shipping pails	(3)	(3)	926	953	773	842	810
Ordnance and other direct military	(3)	(3)	647	793	535	611	542
Nonclassified shipments	2,135	4,693	1,330	910	2,029	2,120	2,051
Exports ³	8,099	3,793	2,567	3,583	1,400	2,563	1,730

¹ Not total after deducting shipments to reporting companies for conversion or resale.

² Aircraft forgings shipped to independent forgers included in "Forgings, except automotive" prior to April 1950; included in "Aircraft" thereafter.

³ Included in "Construction, including maintenance; Other."

⁴ Included in "Construction, including maintenance." ⁵ Not available.

⁶ Reporting companies only.

Source: American Iron and Steel Institute; *Annual Statistical Report*.

No. 1146. IRON AND STEEL—EXPORTS OF SELECTED ITEMS, BY KIND: 1959 TO 1961
 [Includes exports of Alaska, Hawaii, and Puerto Rico to foreign countries. Includes shipments under foreign aid programs and civilian supply shipments]

KIND	QUANTITY (1,000 short tons)			VALUE (\$1,000)		
	1959	1960	1961	1959	1960	1961
	Total	1,7,009	1,11,493	1,12,458	884,735	1,186,585
Pig iron	10	112	416	547	5,174	19,243
Iron and steel scrap	4,939	8,040	9,716	167,716	241,572	354,017
Iron products and steel mill products, semi-finished	35	129	185	4,642	14,330	20,139
Steel ingots, blooms, billets, slabs, sheet bars, and thin-plate bars	15	73	121	2,244	7,515	12,724
Iron and steel scrap	16	44	42	1,915	5,330	4,264
Wire rods and other semifinished steel mill products	4	12	12	482	1,477	3,151
Iron products and steel mill products, rolled and finished	1,640	2,862	1,804	342,080	569,938	384,751
Iron and steel bars and bar size rods and shapes	67	85	91	14,701	20,169	22,274
Steel plates, hot or cold-rolled, not fabricated, and armor plates, rolled	66	91	97	13,050	20,473	19,504
Steel sheets, black, ungalvanized	275	1,112	356	56,617	198,379	72,820
Steel sheets, galvanized	33	38	59	6,789	7,075	11,100
Steel sheets, coated, except galvanized and steel sheets for enameling	43	51	36	8,017	9,563	7,813
Electrical steel sheets and strip	45	64	45	18,714	28,255	19,428
Steel strip, coated or uncoated, exc. elec.	40	73	70	15,268	27,890	24,925
Tin mill prod. (tin mill black plate, tin plate and terneplate)	460	686	481	72,858	116,151	75,333
Structural shapes, not fabr., and piling	240	295	223	31,850	41,180	30,825
Rails, truckwork, and track accessories	85	138	112	12,500	21,459	17,361
Pipe, tubes, and tubing	274	197	213	83,300	70,802	75,704
Steel wire, not elsewhere classified	21	23	21	7,621	7,738	7,770
Other steel mill prod., rolled and finished	(2)	(2)	(2)	3 108	203	304
Castings and forgings	81	78	74	22,530	23,761	22,009
Railway car and locomotive wheels, tires, and axles, rolled and forged	9	7	5	2,731	2,400	1,968
Bolts, screws, nuts, rivets, and washers	14	13	13	15,290	16,109	16,842
Nails, staples, and spikes	3	5	3	2,736	3,352	2,967
Builders', furniture, car, marine, and other hardware and parts	(2)	(2)	(2)	23,625	22,199	22,183
Pipe fittings	24	21	22	23,767	23,515	25,547
Fabricated steel products	133	122	103	41,693	35,491	39,420
Sash, sections, and frames, door and window, and other construction materials	7	7	9	5,239	5,654	6,903
Chains and parts	10	8	8	10,758	10,101	9,092
Welding rods and wires	14	13	10	8,350	8,567	8,326
Wire cloth	(4)	(4)	(4)	1,104	1,153	1,418
Wire-reinforcing fabric and wire rope, cord, cable, and strand	12	11	10	6,814	5,689	5,379
Other iron and steel manufactures	(2)	(2)	(2)	108,621	187,152	188,696
Ferroalloys	60	74	70	6,508	10,428	12,710

¹ Excludes figures for wire cloth and for articles footnoted as not reported. ² Not reported.

³ Sampling error (see text, p. 587) probably not greater than 10 to 15 percent.

⁴ Reported in square feet: 5,037,493 in 1959; 5,330,940 in 1960; 8,213,881 in 1961.

Source: Department of Commerce, Bureau of the Census; *Quarterly Summary of Foreign Commerce of the United States*, and records.

No. 1147. ALUMINUM AND MAGNESIUM—NET SHIPMENTS OF MILL PRODUCTS: 1950 TO 1961

[In thousands of pounds. Beginning 1961, includes Alaska and Hawaii. Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products]

ITEM	1950	1955	1957	1958	1959	1960	1961
Aluminum mill products	1,713,440	2,791,791	2,677,623	2,597,115	3,386,052	3,049,068	3,344,958
Plate, sheet, and foil	1,163,135	1,542,723	1,396,602	1,353,080	1,768,518	1,637,255	1,763,935
Rolled structural shapes, rod, bar and wire	1,260,780	307,951	399,007	345,716	446,647	301,709	454,836
Extruded shapes, tube	258,075	775,092	789,573	821,862	1,082,187	937,110	1,033,853
Blooms and tubing	22,459	36,081	25,187	25,628	34,883	32,849	35,885
Powder, flake and paste	(1)	70,344	64,284	50,829	53,847	50,055	50,449
Forgings	12,810	21,186	21,915	18,702	22,169	20,656	21,280
Magnesium mill products							

¹ Forgings included with rolled rod and bar.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M-33-2.

No. 1148. FERROUS CASTINGS—SHIPMENTS AND UNFILLED ORDERS: 1950 TO 1961
 [In thousands of short tons. Beginning 1961, includes Alaska and Hawaii. Gray iron castings, except 1950, are based on a sample of foundries; all other data on a complete count]

ITEM	1950	1955	1957	1958	1959	1960	1961
GRAY IRON CASTINGS							
Shipments ¹	13,725	14,838	12,664	10,371	12,308	11,594	10,824
Pressure pipe and fittings	1,215	1,687	1,351	1,278	1,441	1,336	1,394
Soil pipe and fittings	795	870	758	789	862	782	834
All other gray iron castings	11,715	12,281	10,555	8,304	10,005	9,476	8,603
Unfilled orders, Dec. 31 ²	2,142	1,075	676	608	847	553	671
Pressure pipe and fittings	617	277	166	142	178	146	172
Soil pipe and fittings	208	27	22	21	17	16	14
All other gray iron castings	1,317	771	488	446	652	301	485
MALLEABLE IRON CASTINGS							
Shipments	942	1,105	863	661	916	821	723
For sale	537	653	520	584	657	467	428
For own use	405	452	343	277	359	354	286
Standard malleable			714	541	730	632	554
Pearlitic malleable			149	120	186	189	109
Unfilled orders, Dec. 31 ²	222	123	75	66	94	55	68
Standard malleable			59	58	71	41	50
Pearlitic malleable			16	13	23	14	16
STEEL CASTINGS							
Shipments ¹	1,481	1,531	1,766	1,121	1,413	1,392	1,217
Carbon	1,130	1,088	1,328	802	1,044	1,016	843
Alloy	381	443	438	319	369	376	374
Unfilled orders, Dec. 31 ²	570	475	327	214	306	163	168
Carbon	476	364	248	158	257	125	112
Alloy	94	111	79	56	49	38	56

¹ Includes shipments for "own use."

² Unfilled orders for sale only. Excludes unfilled orders of captive plants.

Source: Department of Commerce, Bureau of the Census; monthly data published currently in *Current Industrial Reports*, Series M33A and M33-1.

No. 1149. NONFERROUS CASTINGS—SHIPMENTS AND UNFILLED ORDERS: 1950 TO 1960

[In thousands of pounds. Beginning 1960, includes Alaska and Hawaii. Shipments include "for own use." Unfilled orders are for the end of the year and comprise "for sale" only. Data for 1950 based on complete coverage; other years based on sample and subject to sampling variation; see text, pp. 769-771.]

TYPE OF CASTING	1950	1955	1957	1958	1959	1960 (prel.)
Shipments, all types	2,215,588	2,663,031	2,850,333	1,952,487	2,337,610	2,181,330
Unfilled orders, all types	303,305	273,698	181,923	162,373	190,998	148,414
Copper and copper-base alloy:						
Shipments	1,056,973	1,008,898	874,627	702,484	871,032	762,107
Unfilled orders	73,940	57,241	31,558	26,000	28,052	21,914
Aluminum and aluminum-base alloy:						
Shipments	543,082	827,162	751,818	641,700	736,393	751,802
Unfilled orders	113,300	123,881	86,323	76,566	86,808	71,398
Zinc and zinc-base alloy:						
Shipments	570,332	778,000	669,775	500,071	631,210	628,203
Unfilled orders	106,895	80,120	58,700	54,632	72,246	51,516
Magnesium and magnesium-base alloy:						
Shipments	15,224	27,854	30,322	28,776	27,253	23,540
Unfilled orders	7,054	5,981	4,823	4,836	3,421	3,156
Lead and lead-base alloy die: ¹						
Shipments	20,977	21,117	23,791	19,456	21,716	20,678
Unfilled orders	1,526	475	(2)	(2)	(2)	480

¹ Excludes producers of lead die castings for battery plates and parts; they reported shipments of 146 million pounds in 1950.

² Withheld because estimates did not meet publication standards.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M33E.

NO. 1150. MANUFACTURERS' SALES AND RETAIL VALUE OF HOME APPLIANCES: 1940 TO 1961

[Includes Alaska and Hawaii. Compiled from sales reports and estimates of associations and manufacturers, and from Census Bureau surveys of manufactures. Sales figures represent manufacturers' sales including exports. Unless otherwise specified, figures are for electric appliances only.]

PRODUCT	SALES (1,000 UNITS)					RETAIL VALUE (\$1,000,000)				
	1940	1950	1955	1960	1961	1940	1950	1955	1960	1961
Air conditioners, room	11	201	1,270	1,580	1,600	-----	-----	83	383	435
Bed coverings, electric	800	1,460	3,385	3,825	-----	-----	-----	32	45	77
Blenders	225	405	455	515	-----	-----	8	14	16	15
Can openers (incl. comb., can opener-knife sharpeners)	-----	-----	1,200	1,655	-----	-----	-----	-----	28	31
Cleaners, vacuum (floor type)	1,341	8,529	3,270	3,313	3,260	73	280	280	311	286
Clocks	3,000	8,100	7,200	8,300	8,350	18	54	50	58	59
Coffee makers, automatic	900	3,675	4,695	4,440	-----	25	72	94	84	-----
Dehumidifiers	45	96	375	375	-----	6	12	40	37	-----
Dishwashers, motor-driven	230	205	555	620	-----	67	90	142	155	-----
Driers, clothes	319	1,397	1,260	1,192	-----	70	309	261	247	-----
Electric	251	1,028	818	778	-----	53	217	160	154	-----
Gas	68	369	442	414	-----	17	92	102	93	-----
Fans:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Attic	95	140	85	73	-----	12	18	9	7	-----
Desk and bracket	1,682	2,450	2,625	1,200	1,200	11	42	50	23	22
Hassock or floor	180	250	95	195	-----	7	10	4	7	-----
Kitchen vent, and exhaust	107	495	860	1,630	1,578	2	18	30	65	61
Range hood, self contained	-----	-----	1,045	1,337	1,389	-----	-----	82	57	49
Window ventilating	-----	-----	165	325	390	-----	-----	13	13	13
Portable roll-abouts	-----	-----	320	520	760	-----	-----	43	60	61
Floor polishers	240	375	1,040	1,050	-----	14	20	44	45	-----
Food waste disposers	-----	-----	320	520	800	-----	-----	-----	-----	-----
Freezers, home	890	1,100	1,045	1,050	-----	280	440	308	278	-----
Frypans—skillets	-----	-----	2,660	2,455	2,425	-----	-----	51	44	44
Gas central heating equip. ¹	117	1,025	1,174	1,173	1,204	-----	-----	50	65	84
Heaters, convector and radiant	628	1,115	1,680	1,900	2,585	2	15	-----	-----	-----
Heating pads	932	1,725	1,980	2,575	2,570	3	12	12	15	15
Hotplates	415	1,160	950	665	580	1	9	7	5	5
Ironers	176	409	87	35	-----	10	50	18	8	-----
Irons	2,597	-----	7,930	6,410	7,680	13	-----	113	92	111
Kitchen cabinets, steel	2,969	4,046	-----	-----	-----	126	209	-----	8	8
Knife sharpeners	-----	-----	565	510	-----	-----	-----	-----	-----	-----
Lamp bulbs and tubes ²	1,115	2,007	2,470	2,773	2,779	-----	466	724	1,107	1,115
Large incandescent	568	934	1,009	1,121	1,130	-----	205	300	462	471
Other types	548	1,073	1,470	1,651	1,649	-----	262	424	645	644
Lawn mowers, power	42	1,080	2,750	3,800	3,500	5	100	237	285	254
Mixers, food:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Standard	460	1,700	1,615	815	640	10	67	71	29	24
Portable	145	1,628	2,430	2,415	-----	3	32	44	41	41
Oil space heaters	390	888	370	222	195	21	73	37	27	23
Phonographs—record players:	-----	-----	2,234	3,681	2,728	-----	154	368	273	-----
Single players	-----	-----	393	842	1,204	-----	-----	240	343	-----
Radio-combination units	-----	-----	379	104	-----	-----	13	4	-----	-----
Radios: ³	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Home radios	11,860	8,175	2,998	3,440	3,100	350	383	80	79	73
Portable and clock radios	1,675	4,271	7,255	8,707	-----	51	147	235	293	-----
Ranges:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Electric	450	1,830	1,600	1,495	1,530	63	426	424	412	406
Standard	450	1,830	1,400	860	860	63	425	367	224	219
Built-in	-----	-----	200	635	670	-----	57	189	187	-----
Gas, domestic ¹	1,742	3,031	2,385	1,814	1,823	-----	-----	271	272	-----
Built-in ¹	-----	-----	100	339	344	-----	-----	72	73	-----
Recorders, magnetic	-----	-----	360	425	500	-----	-----	54	64	75
Refrigerators, electric	2,700	6,200	4,200	3,475	3,480	410	1,602	1,323	1,129	1,027
Shavers	900	2,150	4,750	5,950	5,550	12	51	121	101	78
Television, black and white ³	7,464	7,757	5,708	6,131	-----	2,235	1,745	1,260	1,295	-----
Toasters	2,307	4,525	3,665	3,555	3,725	15	80	60	61	60
Waffle irons—sandwich grills	1,545	2,635	905	825	685	7	43	19	16	13
Washing machines:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Automatic and semi-automatic	1,455	1,646	3,123	2,601	2,700	104	423	845	807	697
Wringers and spinner	1,455	1,626	1,268	763	735	-----	361	187	120	112
Washer-drier combinations	-----	-----	-----	151	100	-----	-----	70	47	-----
Water heaters:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Electric storage	125	990	900	715	785	10	131	104	75	71
Gas automatic domestic	551	2,365	2,748	2,686	2,500	-----	-----	149	267	250
Water softeners	-----	205	103	308	406	-----	-----	93	120	122
Water systems	259	723	788	-----	-----	112	130	-----	-----	-----

¹ Source: American Gas Association, from data of Gas Appliance Manufacturers Association.

² In millions of units.

³ Production.

Source: *Electrical Merchandising Week*, January 1962; published by McGraw-Hill Publishing Co., Inc., New York, N.Y. (except as noted).

Manufactures

No. 1151. ELECTRICAL MACHINERY AND RELATED PRODUCTS—VALUE OF SHIPMENTS:
1947 TO 1960

[In millions of dollars. Beginning 1950, includes Alaska and Hawaii. Figures for 1960 and 1965 are based on sample and subject to sampling variation; see Technical Note, p. 771]

PRODUCT	1947	1950	1954	1955	1958	1959	1960
Carbon and graphite products	69	100	115	152	157	195	(1)
Electric lamps (bulbs)	192	243	310	337	394	403	434
Electrical appliances:							
Electric fans (except industrial type)	49	60	88	75	77	68	(1)
Household water heaters	60	64	48	49	57	64	(1)
Small household electric appliances (except fans) ¹	249	306	371	426	413	450	(1)
Household ranges and parts	132	218	164	224	204	256	(1)
Electrical equipment for internal combustion engines	337	487	584	700	604	770	(1)
Electrical hearing aids	17	23	29	32	40	47	(1)
Electrical measuring instruments	156	150	347	399	588	719	(1)
Electrical welding apparatus	108	110	100	212	233	279	(1)
Electronic tubes:							
Transmitting and industrial type tubes, except X-ray tubes	25	(3)	103	181	225	258	(1)
Radio and TV receiving-type tubes, except cathode ray	87	198	289	359	337	336	(1)
Cathode ray tubes (TV receiver type)	7	(3)	213	205	177	212	(1)
Motors and generators	856	888	1,338	1,342	1,291	1,423	(1)
Phonograph records	102	85	80	80	136	142	(1)
Primary batteries (dry and wet) including parts and supplies	78	95	118	121	136	158	(1)
Radios and related products:							
Household radio receivers, television sets, radio phonographs, phonographs, and record players	810	1,687	1,385	1,508	1,270	1,205	1,213
Commercial radio communications, radio navigation aids, and broadcast equipment	225	209	1,375	1,167	1,674	2,106	(1)
Electronic components and accessories, n.e.c.	349	607	988	1,061	1,481	1,933	(1)
Storage batteries	203	319	336	365	361	401	(1)
Switchgear and switchboard apparatus	301	332	724	683	891	959	(1)
Transformers	327	405	629	623	638	736	(1)
Wiring devices and supplies	376	492	560	608	851	1,006	(1)
X-ray and therapeutic apparatus ²	68	48	68	(3)	73	78	(1)

¹ Not available.² Prior to 1958, includes dry shavers (electric razors) and soldering irons.³ Withheld because the estimate did not meet publication standards.

⁴ Prior to 1958, data exclude solid state semi-conductor devices, electron tube parts, and phonograph needles and include loudspeakers, speaker systems and horns, microphones, chassis for home-type radio and TV receivers, and connectors for electronic application.

⁵ Includes X-ray accessories and dental and industrial X-ray components and assemblies.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures* and *U.S. Census of Manufactures: 1958, Preliminary Industry Report Series*. 1959 and 1960 from *Current Industrial Reports*.

No. 1152. EXPORTS OF ELECTRIC HOME APPLIANCES—NUMBER: 1940 TO 1961

[In thousands. Includes exports of Alaska, Hawaii, and Puerto Rico to foreign countries. Includes shipments under foreign aid programs; beginning 1950, also includes civilian supply shipments]

PRODUCT	1940	1945	1950	1955	1957	1958	1959	1960	1961
Vacuum cleaners	10	1	20	69	103	105	120	103	104
Clocks	87	27	315	212	180	177	164	124	191
Irons	163	54	241	170	143	222	205	225	317
Radios and televisions	558	39	423	388	392	485	399	322	493
Refrigerators ¹	102	7	200	361	352	371	323	282	242
Razors	37	2	25	(2)	(2)	(2)	(2)	(2)	(2)
Washing machines	30	1	53	83	91	88	103	95	94
Ranges	7	1	6	34	19	20	13	10	9

¹ Includes home freezers in 1950; beginning 1955, includes farm and home freezers.² Not separately reported.

Source: Department of Commerce, Bureau of the Census; 1940 and 1945, *Foreign Commerce and Navigation of the United States*; thereafter, *Quarterly Summary of Foreign Commerce of the United States*, and records.

No. 1153. MACHINERY (EXCEPT ELECTRICAL)—VALUE OF SHIPMENTS OF SELECTED CLASSES OF PRODUCTS: 1947 TO 1960

In millions of dollars. Excludes Alaska and Hawaii. Figures for 1950 and 1955 based on sample and subject to sampling variation; see Technical Note, p. 771.

CLASS OF PRODUCT	1947	1950	1954	1955	1958	1959	1960
Ball and roller bearings and components	353	450	534	674	637	808	737
Commercial laundry, dry-cleaning, and pressing machines ¹	93	77	77	87	107	124	120
Computing machines and cash registers ¹	302	350	501	582	965	1,044	1,324
Construction machinery, except tractors	932	974	1,159	1,466	1,365	1,568	1,449
Mining machinery					278	337	338
Conveyors	234	241	432	419	334	342	307
Cutting tools, jigs, fixtures, etc.	675	836	1,024	(2)	1,750	2,011	2,286
Domestic laundry equipment	434	532	506	733	720	802	695
Elevators and moving stairways ¹	96	102	128	131	165	187	205
Fabricated pipe and fittings made from purchased pipe	110	(3)	214	210	265	247	224
Farm machinery (except tractors)	844	1,051	1,062	1,128	1,514	1,594	1,438
Food-products machinery	335	324	371	383	400	436	462
Heat exchangers and steam condensers	53	77	163	124	187	151	146
Household mechanical refrigerators, incl. electric and gas	515	925	574	713	551	677	624
Industrial fans and blowers, including parts	130	130	274	274	253	247	260
Industrial furnaces and ovens	85	72	154	159	185	197	215
Industrial trucks, tractors, trailers, and stackers ¹	157	166	255	312	277	375	389
Internal combustion engines, exc. automotive and aircraft ²	617	(4)	923	(4)	1,116	1,319	1,215
Mechanical power-transmission equipment	426	404	595	700	623	739	711
Mechanical stokers ¹	36	19	16	16	14	(4)	(4)
Office and store machines	179	208	237	271	214	225	247
Oil and gas field machinery and tools, incl. drilling equipment	263	333	469	647	496	566	507
Paper-industries machinery ¹	135	115	175	207	280	300	348
Printing-trades machinery and equipment ¹	191	201	229	248	271	299	350
Pumps and compressors	520	604	867	924	1,002	1,072	1,058
Scales and balances ¹	51	53	59	67	71	75	66
Sewing machines	97	171	107	126	98	126	130
Steam engines and turbines	119	223	426	380	754	640	623
Textile machinery ¹	380	429	304	384	322	400	494
Tractors ¹	744	1,098	1,085	1,331	1,376	1,478	1,142
Typewriters ¹	140	130	142	164	184	208	209
Vacuum cleaners	151	167	144	176	156	162	161
Valves and fittings (except plumbing)	549	712	912	1,087	1,183	1,310	1,302
Woodworking machinery	161	137	163	185	174	187	176

¹ Includes parts and attachments.

² Withheld because the estimate did not meet publication standards.

³ Represents shipments to other companies only.

⁴ Not available.

⁵ Includes interplant transfers not segregated by type of engine.

⁶ Includes parts and attachments (except cases and cabinets, and sewing machine needles).

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures*, U.S. Census of Manufactures: 1958, and *Current Industrial Reports*.

No. 1154. SHIPMENTS OF AIR-CONDITIONING AND REFRIGERATION EQUIPMENT: 1945 TO 1960

[Value figures in thousands of dollars. Excludes Alaska and Hawaii. Represents manufacturers' billing prices for units actually billed and shipped]

PRODUCT	1945		1950		1955		1960	
	Number	Value	Number	Value	Number	Value	Number	Value
Condensing units	354,401	36,902	885,913	75,833	689,335	71,067	638,305	63,461
Ammonia refrigerants ¹	1,785	2,503	245	352	84	164		
Refrigerants except ammonia	352,616	34,399	886,668	75,481	589,251	70,913	638,305	63,461
Air-cooled	327,031	23,378	893,239	59,035	523,200	46,050	509,193	47,406
Water-cooled	25,855	11,021	50,420	16,446	66,051	24,863	39,112	16,056
Compressors and compressor units	107,340	9,578	96,368	46,977	2,564,031	116,917	4,306,372	208,679
Centrifugal-refrigeration systems	185	2,094	382	12,249	818	25,732	1,422	37,924
Heat-transfer equipment		22,422		61,337		114,064		151,651
Evaporative condensers	2,885	2,829	7,818	8,809	5,883	9,597	5,170	10,670
Unit coolers	91,003	10,186	133,300	24,588	97,034	15,053	138,006	16,207
Other heat-exchanger equipment		9,407		27,880		89,414		124,774
Packaged air-conditioning equipment		(1)		(1)		369,862		496,157
Ice-making machines	2,805	4,044	14,914	8,907	31,521	16,369	55,251	28,963

¹ Not available.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M35M.

Manufactures

No. 1155. MACHINE TOOLS (METAL CUTTING AND METAL FORMING)—SHIPMENTS, BY MAJOR TYPES: 1958 TO 1960

[Value in millions of dollars. Excludes Alaska and Hawaii. Includes light type machine tools, particularly in drilling machines, lathes, grinding and polishing machines, and milling machines. Excludes machine tools specifically designed for home workshops, model makers, garages, and service shops]

MAJOR TYPE	1958		1959		1960	
	Number	Value	Number	Value	Number	Value
Total.....		672		680		778
Metal cutting type.....						
Boring machines.....	1,403	52	1,604	49	1,593	47
Bronching machines.....	109	4	132	5	170	6
Drilling machines.....		30	24,068	33	22,175	30
Gear cutting and finishing machines.....	806	23	991	25	1,243	34
Grinding and polishing machines (except gear tooth grinding, honing, lapping, and buffing).....	55,195	89	57,723	94	53,360	117
Lathes.....	16,083	99	19,880	119	18,176	135
Milling machines.....	11,004	89	13,631	73	14,115	79
Planers.....	67	4	40	3	41	3
Shapers (except gear shapers).....	495	2	492	2	543	3
All other metal cutting machine tools.....		71		69		75
Metal forming type.....		209		211		238
Presses, including forging (power).....		77	13,836	83	12,529	104
Presses, manual.....	5,482	1	11,653	1	10,410	1
Forging machines (except presses).....	644	17	570	18	682	21
Punching and shearing machines, power.....	2,752	30				
Punching and shearing machines, manual.....	6,797	2	6,441	30	5,907	33
Bending and forming machines, power.....	5,552	27				
Bending and forming machines, manual.....	13,186	3	13,198	36	13,227	34
Riveting machines.....	3,972	5	2,500	4	2,260	4
Metal container making machines.....	816	19	1,476	18	1,255	17
Die casting machines.....	170	6	190	7	181	6
Wire weaving and wire fabricating machines.....	587	5	546	4	659	4
Drawing machines and draw benches.....	503	13	445	6	390	11
All other metal forming machine tools.....	1,510	4	2,443	4	2,122	3

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M35W.

No. 1156. FARM MACHINES AND EQUIPMENT—SHIPMENTS, BY CLASS: 1947 TO 1960

[In thousands of dollars. Excludes Alaska and Hawaii. Excludes tractors]

CLASS	1947	1950	1955	1958	1959	1960
Total.....	758,326	1,001,758	912,157	1,075,364	1,131,876	986,337
Farm machines and equipment (complete units).....	583,776	817,241	727,342	850,670	904,486	783,677
Attachments and parts.....	174,550	184,517	184,815	224,694	227,390	202,710
COMPLETE UNITS, ATTACHMENTS, AND PARTS						
Plows and hoes.....	83,529	100,326	66,417	73,908	77,455	61,035
Harrow, rollers, pulverizers, and stalk cutters.....	57,423	77,716	74,708	92,054	105,643	87,886
Planting, seeding, and fertilizing machinery.....	73,977	113,053	89,098	101,197	110,662	98,210
Cultivators and weeders.....	50,393	57,263	52,640	48,552	51,162	51,363
Sprayers and dusters.....	39,556	36,779	38,254	41,038	45,230	44,505
Harvesting machinery.....	191,570	238,153	243,561	311,916	343,808	305,464
Haying machinery.....	94,835	154,979	168,447	175,860	163,654	140,149
Machines for preparing crops for market or for use.....	42,018	30,552	33,070	44,166	41,411	38,376
Farm poultry equipment.....	20,602	30,127	28,429	41,302	33,422	29,081
Farm dairy machines and equipment.....	31,415	22,969	19,260	20,211	22,63	20,211
Barn equipment.....	11,802	11,300	12,405	20,393	22,788	19,437
Barnyard equipment.....	8,808	17,777	18,381	28,286	33,891	25,143
Farm elevators and blowers.....	10,389	34,071	38,251	38,980	37,560	28,781
Farm wagons, trucks, and other farm transportation equipment.....	36,014	26,103	29,238	37,501	43,344	36,702

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M35A.

Farm Machines—Tractors

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No. 1157. FARM MACHINES AND EQUIPMENT—SHIPMENTS: 1943 TO 1960

[In thousands of dollars. Excludes Alaska and Hawaii. Excludes tractors. Data prior to 1947 represent sales]

YEAR	Total	Com- plete units	Attach- ments and parts	YEAR	Total	Com- plete units	Attach- ments and parts
1943	228,950	138,032	90,918	1952	1,104,054	887,671	216,383
1944	370,269	261,896	108,378	1953	1,003,264	800,329	202,935
1945	437,178	312,926	124,252	1954	1,883,267	669,726	192,930
1946	533,955	400,834	133,121	1955	912,187	727,342	184,815
1947	758,326	583,776	174,550	1956	854,618	669,361	185,257
1948	991,195	780,641	204,554	1957	897,649	712,670	184,079
1949	997,790	795,554	202,236	1958	1,075,364	850,670	224,694
1950	1,001,755	817,241	184,517	1959	1,131,876	904,486	227,390
1951	1,218,966	987,060	231,906	1960	986,387	783,677	202,710

¹ Includes \$20,611,000 not segregated between complete units and attachments and parts.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M35A.

No. 1158. TRACTORS AND TRACTOR ATTACHMENTS AND PARTS—DOMESTIC SHIPMENTS AND EXPORTS, BY TYPE: 1950 TO 1960

[Value in thousands of dollars. Excludes Alaska and Hawaii. Excludes contractors' off-highway wheel tractors
See table 1159]

YEAR AND TYPE	Total value	COMPLETE UNITS				ATTACHMENTS AND PARTS (value)	
		Domestic		Export		Domestic	Export
		Number	Value	Number	Value		
Total:							
1950	(1)	603,260	632,837	93,010	162,425	(1)	(1)
1955	1,234,697	504,930	698,937	63,032	203,237	(1)	(1)
1959	1,372,622	568,698	743,159	46,814	163,468	(1)	(1)
1960	1,242,740	549,520	567,728	49,172	227,332	(1)	(1)
Wheel:							
1950	(1)	424,398	461,103	73,454	88,423	(1)	(1)
1955	641,195	286,170	449,869	40,277	68,862	107,980	14,484
1959	737,712	226,788	485,004	25,529	61,445	176,373	14,890
1960	512,505	137,184	307,785	18,857	49,773	143,815	11,132
Tracklaying: ²							
1950	380,437	29,167	160,205	15,433	73,282	97,115	30,835
1955	556,704	81,036	225,881	17,855	133,012	(1)	(1)
1959	582,705	24,684	222,449	9,528	100,503	(1)	(1)
1960	495,156	14,462	144,817	9,998	125,014	(1)	(1)
Tracklaying tractor—shovel loaders:							
1960	176,664	8,300	72,281	4,308	50,798	41,809	12,276
Garden:							
1950	32,460	149,704	21,520	4,123	720	9,857	354
1955	36,788	187,724	23,237	4,900	763	12,080	658
1959	52,205	315,326	35,708	11,757	1,521	14,108	870
1960	58,415	389,583	42,845	15,919	1,747	13,020	803

¹ Not available.

² Prior to 1959, includes tractors produced as integral units of tractor-shovel loaders; figures for 1959 exclude a total of 9,914 such tractors. For 1960, tractor-shovel loaders are shown separately.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M35A and M35S.

No. 1159. CONTRACTORS' OFF-HIGHWAY WHEEL TRACTORS AND ATTACHMENTS AND PARTS—SHIPMENTS: 1950 TO 1960

[Value in thousands of dollars. Excludes Alaska and Hawaii]

YEAR	Total value	COMPLETE UNITS		Attachments and parts (value)
		Number	Value	
1950	(1)	2,065	24,769	(1)
1955	96,146	4,144	64,178	31,973
1956	136,216	5,339	94,587	41,629
1957	147,162	5,417	104,112	43,050
1958	120,840	4,088	85,480	35,360
1959	121,225	4,065	91,944	29,281
1960	90,076	3,078	64,905	25,111

¹ Not available.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M35D.